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ABUNDANCE, AGE, SEX, AND SIZE OF COHO SALMON (Oncorhynchus kisutch
Walbaum) CATCHES AND ESCAPEMENTS IN SOUTHEASTERN ALASKA, 1984

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January 1987

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Commissioner

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ABSTRACT

We summarized catch statistics and escapement estimates for coho salmon (*Oncorhynchus kisutch* Walbaum), in Southeastern Alaska (excluding the catches and escapements in Districts 182, 183, 185, and 192 near Yakutat) for the 1984 season. Commercial troll, seine, and gillnet catches were apportioned by age and size based on available sample data. The age and size composition of the 1984 troll harvest were summarized by sampling period for four areas of Southeastern Alaska. Age, sex, and size data are also presented for the Canadian in-river gillnet fishery on the Taku River and for escapements to seven rivers and three hatcheries in the region. A total of 1,665,109 coho salmon were commercially harvested in Southeastern Alaska during the 1984 summer troll, seine, gillnet, and trap fisheries. The hand and power troll fishery catch of 1,090,538 fish represented 63.3% of the total Southeastern Alaska coho salmon harvest and most were caught in offshore waters. Purse seine gear harvested 396,931 fish and gillnet gear harvested 199,045 fish. The sport harvest was 53,137 fish. Small harvests were taken by the Canadian commercial gillnet fishery on the Taku River (5,357 fish), by the Annette Island Fishery Reserve fish traps (5,595 fish), and by Alaskan subsistence fishermen (201).

We found small differences in the age and size composition of coho salmon commercially harvested by gear type, area, and time. Fish aged 1.1 and 2.1 dominated the catches in all areas and fisheries. Fish aged 3.1 comprised a small portion of the region's catch. Coho salmon harvested in 1969 and 1970 tended to smolt at an older age than those harvested the past three years. The growth of fish in-season was evident by increasing average lengths of coho salmon in successive samples. Fish tended to be longer and heavier, on the average, in 1984 than in 1983. Fish aged 3.1 tended to have a larger average length than fish aged 2.1 and 1.1, respectively.

Fish aged 1.1 and 2.1 dominated samples from the three hatchery and seven wild stock escapements. The mean date of coho salmon passage through counting weirs ranged from 25 August to 6 October. The large variability in migration timing of stocks was not obviously related to geographic location.

KEY WORDS: catch allocation, age composition, migratory timing, coho salmon, *Oncorhynchus kisutch*, fishery synopsis, catch and escapement.

INTRODUCTION

Coho salmon (*Oncorhynchus kisutch* Walbaum) are harvested in commercial, sport, and subsistence fisheries in Southeastern Alaska, however, the majority are taken by the commercial hand and power troll fleet. Most coho salmon harvested by Southeastern Alaska fishermen originate from one of the estimated two to three thousand coho salmon producing streams in the region. A few non-Alaskan fish are also intercepted, most originating from rivers in Northern British Columbia.

The 1984 Southeastern Alaska catch of approximately 1.7 million fish exceeds the previous 10-year (1974-1983) average of 1.2 million and is equal to the average annual catch for the 33-year period from 1925 to 1957 (ADF&G 1985). Compared to other salmon species, coho salmon ranked third in numbers harvested and second in wholesale value in 1984 (ADF&G 1986). Most were sold in the dressed/frozen market at an average wholesale price of \$0.93/lb for seine-caught fish, \$1.06/lb for gillnet-caught fish, and \$1.59/lb for troll-caught fish. The wholesale value of coho salmon to Southeastern fishermen in 1984 was \$18.8 million. Annual sport harvests have averaged 39,154 fish from 1977 to 1984 with 53,137 fish harvested in 1984. Sport-caught coho salmon have accounted for 43% of all sport-caught salmon since 1977. A small number of coho salmon were harvested in subsistence fisheries near Klukwan on the Chilkat River and near Angoon at Salt Lake. The reported harvest in 1984 was 201 fish.

In this report we document the available data regarding the magnitudes and the composition by age, sex, and size of catches and escapements of coho salmon in Southeastern Alaska during 1984. We present catch statistics by gear type, district, and statistical week. Migratory timing characteristics are described for runs enumerated through weirs.

STUDY AREA AND CONDUCT OF FISHERIES

The study area consists of the coastal waters and inland drainages of Southeastern Alaska from Cape Suckling on the north to Dixon Entrance on the south, excluding the Yakutat Area inshore setnet fisheries in Districts 182, 183, 185, and 192 (Figure 1). McBride (1986) presents the data on Yakutat Area catches and escapements in 1984. In 1984 the region was divided into 17 coastal (101 thru 116-05 and 181) and 5 offshore (116-25, 152, 154, 157, and 189) fishing districts. The troll data was pooled into four areas since troll vessels are highly mobile and landings often include catches made in more than one district (see Methods).

Coho salmon were commercially harvested by troll gear in all districts; by seine gear in Districts 101 to 107, 109, 110, and 112 to 114; and by drift gillnet gear in Districts 101, 102, 106, 108, 111, and 115. Coho salmon were also commercially caught in the Canadian gillnet fishery on the lower Taku River and in trap gear on the Annette Island Indian Reserve. Trap catches are reported to a subdistrict of District 101. Sport fishing occurs throughout the region but is concentrated around the communities. Subsistence fishing in

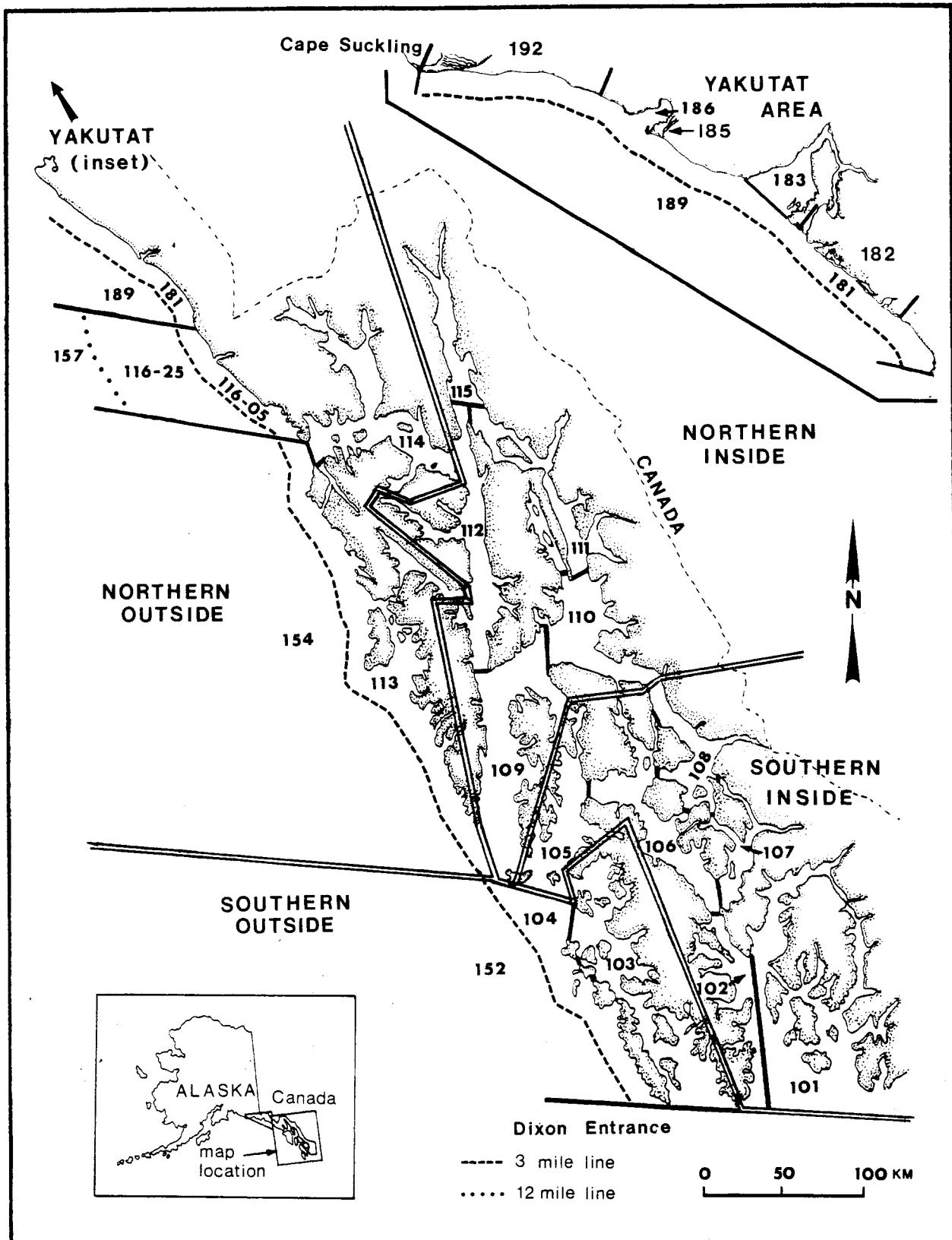


Figure 1. Map of Southeastern Alaska showing the statistical fishing districts and four areas used for analysis of the troll data.

Alaska was permitted only by Klukwan residents in the Chilkat River and by Angoon residents in Salt Lake.

Troll fishing was permitted from 15 June to 30 June, 11 July to 14 July, and 25 August to 20 September. Seine fishing was permitted from 1 July to 6 September and gillnet fishing was permitted from 19 June to 10 October. Copies of inseason Emergency Fishing Orders and Board reports which summarize the troll and net fishing seasons in 1984 may be obtained from Alaska Department of Fish and Game (Division of Commercial Fisheries, P.O. Box 20, Douglas, AK 99824-0020. A complete summary of commercial fishing regulations affecting the fisheries of Southeastern Alaska may be found in ADF&G (1984).

METHODS

Data Sources

Data from several sources on the number, weight, and age, sex, and size composition of coho salmon catches and escapements in Southeastern Alaska in 1984 are summarized. We also summarize data from 1969 and 1970 (Gray et al. 1981), 1982 (Mesiar 1984), and 1983 (Van Alen and Wood 1986) in the comparison of age and size compositions between years.

Catch Statistics:

Alaskan commercial catch data used in this report (number and total weight of coho salmon sold by gear type, district, and week) were compiled by the Division of Commercial Fisheries, Alaska Department of Fish and Game. These data are based on computer tabulations of individual sales slips (fish tickets) as of 26 March 1986. Because of the possibility that all embedded data entry or recording errors have not been corrected, later summaries may differ slightly from those used in this report. Such errors are too small to be of consequence to our allocations of commercial catches by gear type, area, or time. The average weights of troll-caught fish are based on dressed (gilled and gutted) fish and the seine and gillnet fisheries land both dressed and round fish, so average weight might not be an accurate indicator of size by area or time.

Canadian commercial fishery catch statistics for the Taku River were provided by the Canadian Department of Fisheries and Oceans, Whitehorse staff. Sport catch data were obtained from Mills (1985) and was based on responses from a mailout questionnaire survey of randomly selected residents holding sport fishing licenses. Subsistence catch information was tabulated from subsistence use permits returned to the Alaska Department of Fish and Game. All subsistence permits were not returned, however, so subsistence catch totals listed in this report underestimate the total subsistence harvest from the region.

Escapement Counts:

Several methods were used to obtain estimates of spawning population size. Counts were made from airplanes, helicopters, boats, foot surveys, and at weirs. Multiple surveys were made on several streams, but we report only the

peak counts. Detailed survey data is available from ADF&G (Division of Commercial Fisheries, P.O. Box 20, Douglas, AK 99824-0020). The "mean date of migration"¹ and associated migratory timing statistics were calculated for coho salmon passing through weirs using the method of Mundy (1984).

Age, Sex, and Size:

Troll, seine, and gillnet catches of coho salmon were sampled by Department employees stationed at the Southeastern ports of Craig, Ketchikan, Petersburg, Sitka, Juneau, Excursion Inlet, Hoonah, Pelican, Wrangell, and Yakutat. Sampling was also conducted at several smaller buying stations and aboard tenders.

Sampling was conducted on fish landed by tenders of both the net and troll fisheries and from landings of individual boats. Three scales were obtained from the preferred area (INPFC 1963) of each fish, mounted on gum cards, and impressions made in cellulose acetate (Clutter and Whitesel 1956). Age was determined by visual examination of scale impressions under moderate (40X) magnification. Ages are reported in European notation.

Lengths were measured from mid-eye to fork-of-tail to the nearest half centimeter. Sex was determined by examination of external dimorphic maturation characteristics. Sexes are presented for all fish sampled from escapements and seine and gillnet catches (see appendix tables) but not for troll-caught fish. The absence of obvious secondary sexual characteristics in ocean-bright fish precluded making accurate sex determinations for troll-caught fish. The reader is cautioned of the questionable accuracy of our sex determinations for commercially-caught fish.

Difficulties were encountered in representatively sampling the commercial catch because sampling occurred at processing facilities where fish were usually sorted by size (usually small, ≤ 3.2 kg or 7 lb and large, > 3.2 kg) and quality (two grades) into different bins. To avoid obtaining biased samples when the entire delivery could not be sampled, we either sampled from each bin in proportion to abundance or sampled at a predetermined set frequency among the fish sorted.

Analysis Strata

Several factors guided us in development of sampling and analysis strata for age, sex, and size data: (1) logistic and cost considerations and trade-offs required to obtain samples over a broad geographic region; (2) the need to separate principle gear types (troll, seine, gillnet, and sport) and enable examination of the data for temporal trends; and (3) the need to maintain a one-in-ten chance that our estimate of the age composition of each strata did not exceed plus or minus five percent of the true value. We used the equations of Cochran (1977), corrected for finite population size as appropriate (Appendix Table 1), and assumed the presence of three age classes to compute the desired sample size for each time/area strata.

¹ This is the date when half of the total escapement has passed the counting weir.

Troll:

While district fished is recorded on sales slips the accuracy of this data is suspect. The troll fleet is highly mobile and often concentrates in areas of fish abundance crossing statistical district boundaries. This hampers accurate catch reporting by district. For example, a popular troll fishing area is Cross Sound, and boats fishing this area may actually fish in Districts 113, 114, and 116. Based upon the results of skipper interviews, we identified four areas for which only minor cross-area reporting occurs. The four areas (Figure 1) are: (1) Northern Outside composed of Districts 113, 114, 116, 154, 157, 181, and 189; (2) Southern Outside composed of Districts 103, 104, and 152; (3) Northern Inside composed of Districts 109, 110, 111, 112, and 115; and (4) Southern Inside composed of Districts 101, 102, 105, 106, 107, and 108. We apportioned the total coho salmon catch between these areas and within each area based on the sampled age composition proportions. We also provide catch data reported by district, but caution the reader in the use of this data due to the cross district reporting problem. Catches by hand and power troll gear were combined for analysis of age, sex, and size data.

Whenever sample sizes permitted, the data were stratified over time into sampling periods. Since the age composition of coho salmon catches could change throughout the migratory season, the grouping of samples into sample periods was a compromise between obtaining the number of samples necessary to obtain a reasonably precise age composition and reducing the bias inherent in grouping the sample periods. Standard errors (SE) of the numbers of fish caught of each age class were calculated by standard binomial formulas, where standard error (of strata):

$$SE_{ij} = \sqrt{\frac{C_{ij}^2 P_{ij} (1-P_{ij})}{n_j - 1}} = \sqrt{V(\hat{C}_{ij})}$$

When: i = age class

j = time period

\hat{C}_{ij} = catch of fish aged i in stratum j

C_j = catch of fish in stratum j

P_{ij} = proportion of fish caught of age i in stratum j

N_j = sample size for stratum j

The age composition and associated standard error of the total commercial catch by area was calculated by weighting the estimated sample age distribution and its standard error for each sample period by the total commercial catch reported during that same sample period, or using the above notation:

$$SE_{(\text{total})} = \sqrt{\sum_j (V[\hat{C}_{ij}])}$$

Mean length and its standard error of the sampled coho salmon were calculated for each area, period, and age class. These formulas were also used in computing similar standard errors for the seine and gillnet fisheries.

Seine, Gillnet, and Canadian In-river Gillnet:

Sampling of coho salmon harvested by seine and gillnet gear was intended to accurately describe the age composition of the season's catch by gear type and district. Samples were generally obtained weekly from each open district. However, small sample sizes, particularly for seine and gillnet fisheries, resulted in age composition estimates with a precision less than desired. In most districts, the seine and gillnet fleets harvest coho salmon incidentally to other salmon species, hence individual vessel landings and season total catches were low. The low abundance of coho salmon in catches, and the tendency for vessel owners to market them separately, generated logistical problems of access to fish for sampling. The principal reason for small sample sizes, however, is low sampling effort. Catch data for these net fisheries is considered reasonably accurate by district and statistical week. Some deliveries include catches from more than one district and week, however, particularly in the seine fishery during the peak of the pink salmon run when most districts are open and little time separates the weekly openings.

Escapement:

The high cost associated with access to spawning grounds and the generally low abundance of fish to sample precludes precise characterization of the age, sex, and size composition of most of the 2,000 plus Southeastern coho salmon spawning populations in the region. We present the age, sex, and size composition of escapements to seven wild runs and three hatchery runs sampled. Fish were counted as they passed through weirs in 14 of these systems. Eight were specifically enumerated and sampled for coho salmon, while counts through the remaining weirs were curtailed at the end of the sockeye salmon (*O. nerka*) runs. Daily weir counts are presented in Appendix Tables 7 to 27.

RESULTS AND DISCUSSION

Harvest Statistics

We present harvest data for Southeastern Alaska troll, seine, gillnet, trap, sport, subsistence, and Canadian commercial in-river fisheries. The estimated age compositions of the commercial catches by gear type, district (area), sampling period, and sex (when available) are presented along with associated statistics of mean length by sex and age class.

Numbers and Landed Weight:

A total of 1,723,804 coho salmon were harvested in commercial, sport, and subsistence fisheries in 1984 (Table 1). Ocean commercial gear accounted for most (96.6%) of the harvest followed by the sport fishery (3.1%) and the Canadian in-river gillnet fishery on the Taku River (0.3%). Small catches (<0.1%) were reported by domestic subsistence fisheries. Trollers harvested 65.5% of the 1,665,109 fish harvested by U.S. fishermen with smaller catches reported by seine, gillnet, and trap fishermen, respectively (Table 2). The average weight, as calculated from the fish ticket data base (total weight divided by number caught), of all coho salmon commercially caught was 3.8 kg (8.3 lb), averaging from 3.7 kg (8.1 lb) for troll and seine to 3.8 kg (8.4 lb) for trap and 4.3 kg (9.4 lb) for gillnet gear (Table 2).

Troll. The troll fishery harvested 1,090,538 fish (Table 3) with 53.6% of the catch coming from the Northern Outside area Districts 113 and 114. Peak catches of 197,132 and 146,408, or 31.7% of the total catch, were reported in the two weeks immediately prior to the 10-day closure on 15 August. The average weight of coho salmon increased over 2.5 lb during the troll season (Table 3).

Seine. The majority of the purse seine catch of 369,931 fish (Table 4) occurred in District 104 where 39.0% of the catch was taken. Catches were highest in District 112 in early August, District 109 in mid-August, Districts 101, 102, and 114 in early September. Overall, catches peaked during the second week of August.

Gillnet. The gillnet catch was 199,045 (Table 5). Catches were significant in all districts except District 102. Districts 115 and 111 accounted for 51.2% of the harvest. Catches peaked in Districts 101, 102, and 106 in mid-August, in District 111 in late-August, and in Districts 108 and 115 in mid-September. The average weight of coho salmon caught by gillnet gear increased approximately 5.3 lb through the season. The fishing of nets with larger mesh sizes late in the season (fall gear) probably decreases the catchability of smaller fish, making this a nonreliable indicator of seasonal growth; the coho salmon taken by troll gear probably provide a more accurate estimate.

Trap. The four fish traps operated in the Annette Island Indian Fishery Reserve caught 5,595 coho salmon (Table 6). More than one-half (59.9%) of these fish were harvested between 26 August and 8 September, or the last two weeks of the season.

Sport. According to Mills (1985) the sport catch was 53,137 coho salmon (Table 7). The largest catches occurred near Juneau (29.5%) and Ketchikan (40.1%). The early August salmon derby in Juneau targeted on maturing coho salmon and rearing chinook salmon (*O. tshawytscha*).

Subsistence. The reported subsistence coho salmon catch was 201 fish, 176 from Salt Lake near Angoon and 25 from the Chilkat River near Klukwan.

Canadian In-river Gillnet. The Canadian commercial gillnet fishery on the lower Taku River caught 5,357 coho salmon (Table 8). Taku River catches peaked in the latter half of August, however the catch per boat/day was still high when fishing ended in mid-September.

Table 1. Harvest of coho salmon in Southeastern Alaska, 1984.

Fishery	Number of Fish	Percent
Alaskan Commercial		
Troll (Hand = 156,573, Power = 933,965)	1,090,538	63.3
Seine	369,931	21.5
Gillnet	199,045	11.5
Trap	5,595	0.3
Subtotal	1,665,109	96.6
Alaskan Sport	53,137	3.1
Alaskan Subsistence	201	.0
Canadian Transboundary		
Taku Commercial	5,357	0.3
Total	1,723,804	100.0

Table 2. Commercial troll, purse seine, gillnet, and trap harvest of coho salmon in Southeastern Alaska by district in numbers, weight (pounds), and average weight, 1984.

Catch by District by Gear					
District	Troll	Purse Seine	Gillnet	Trap	Total
101	40,671	78,925	43,618	5,595	168,809
102	18,303	48,151	130		66,584
103	48,501	39,539			88,040
104	106,582	144,102			250,684
105	22,594	1,914			24,508
106	12,248	5,438	48,244		65,930
107	810	3,159			3,969
108	74		5,141		5,215
109	49,491	21,889			71,380
110	2,795	1,590			4,385
111	92		33,836		33,928
112	11,847	17,413			29,260
113	468,709	3,376			472,085
114	115,980	4,435			120,415
115	651		68,076		68,727
116	1/ 98,668				98,668
152	1,048				1,048
154	51,469				51,469
157	2,444				2,444
181	28,841				28,841
189	8,720				8,720
Total	1,090,538	369,931	199,045	5,595	1,665,109
Percent	65.5	22.2	12.0	0.3	100.0
Weight by District by Gear					
District	Troll	Purse Seine	Gillnet	Trap	Total
101	343,230	653,937	350,963	46,885	1,395,015
102	137,180	399,670	1,134		537,984
103	370,280	344,992			715,272
104	873,961	1,138,856			2,012,817
105	198,693	15,628			214,321
106	113,352	47,653	447,001		608,006
107	7,035	26,958			33,993
108	710		55,583		56,293
109	392,329	167,337			559,666
110	22,285	12,236			34,521
111	761		326,054		326,815
112	96,434	137,417			233,851
113	3,766,592	28,092			3,794,684
114	963,930	36,175			1,000,105
115	5,329		696,854		702,183
116	1/ 790,539				790,539
152	8,172				8,172
154	418,053				418,053
157	28,350				28,350
181	241,567				241,567
189	72,724				72,724
Total	8,851,506	3,008,951	1,877,589	46,885	13,784,931

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Table 2. Commercial troll, purse seine, gillnet, and trap harvest of coho salmon in Southeastern Alaska by district in numbers, weight (pounds), and average weight, 1984 (continued).

Average Weight by District by Gear					
District	Troll	Purse Seine	Gillnet	Trap	Total
101	8.4	8.3	8.0	8.4	8.3
102	7.5	8.3	8.7		8.1
103	7.6	8.7			8.1
104	8.2	7.9			8.0
105	8.8	8.2			8.7
106	9.3	8.8	9.3		9.2
107	8.7	8.5			8.6
108	9.6		10.8		10.8
109	7.9	7.6			7.8
110	8.0	7.7			7.9
111	8.3		9.6		9.6
112	8.1	7.9			8.0
113	8.0	8.3			8.0
114	8.3	8.2			8.3
115	8.2		10.2		10.2
116	8.0				8.0
152	7.8				7.8
154	8.1				8.1
157	11.6				11.6
181	8.4				8.4
189	8.3				8.3
Total	8.1	8.1	9.4	8.4	8.3

1/ Includes catches and weight reported to District 116-25.

Table 3. Troll harvest of coho salmon in Southeastern Alaska by district and statistical week in numbers, weight (pounds), and average weight, 1984.

Statistical Week	Catch by District																				Total	
	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116 1/	152	154	157	181	189	
6/10-6/16	1	3	9	49 2/	0	0	0	16	3	0	0	478	93	0	16	0	0	0	0	1	669	
6/17-6/23	35	141	222	906 3/	22	3	15	222	8	0	15	1,907	538	0	89	0	110	36	0	11	4,280	
6/24-6/30	627	1,488	1,036	1,649	160	24	14	347	10	0	78	17,961	2,979	0	1,097	12	903	154	3	41	28,583	
7/11-7/14	116	94	4,577	1,270	39	12	28	2,167	51	0	108	23,743	6,488	18	2,577	431	54	372	3	0	42,148	
7/15-7/21	2,976	3,082	5,168	5,924	933	166	16	10,184	113	0	440	77,963	7,854	100	6,561	100	3,018	213	63	329	125,203	
7/22-7/28	801	2,202	4,818	14,762	919	201	0	9,863	127	45	811	88,624	9,178	0	7,715	0	7,620	530	0	63	148,279	
7/29-8/04	893	1,275	5,388	32,709	2,127	625	0	1	10,263	570	5	948	92,248	9,546 4/	0	21,599	34	17,932	708	261	0	197,132
8/05-8/11	2,137	721	7,641	18,138	2,847	1,180	0	0	4,204	516	1	1,709	68,337	8,784	0	17,555	0	10,685	431	1,522	0	146,408
8/12-8/14	3,563	983	4,789	19,990	2,961	259	0	2,918	863	10	1,159	58,969	6,437	215	19,044	0	8,631	2,570	575	133,936		
8/25-8/25	21	27	130	31	0	12	0	0	19	0	0	165	2,107	679	0	0	0	0	101	0	3,292	
8/26-9/01	3,932	2,049	6,817	4,145	2,767	2,874	275	37	5,075	81	31	891	10,103	22,355	10	5,938	0	1,027 5/	1,006	0	69,413	
9/02-9/08	8,866	3,730	6,439	4,731	5,255	3,387	324	29	2,075	21	0	2,209	14,270	21,779	44	10,000	0	395	5,131	3,888	92,573	
9/09-9/16	10,917	1,671	1,349	1,967	4,218	2,741	0	0	1,626	6	0	2,736	8,731	14,518	229	4,945	471	150	8,779 6/	1,394	66,448	
9/16-9/20	5,786	837	118	311	346	764	138	7	512	426	0	578	3,268	4,752	35	1,532	0	944	9,402	2,418	32,174	
Total	40,671	18,303	48,501	106,582	22,594	12,248	810	74	49,491	2,795	92	11,847	468,709	115,980	651	98,668	1,048	51,469	2,444	28,841	8,720	1,090,538
Percent	3.7	1.7	4.4	9.8	2.1	1.1	0.1	-	4.5	0.3	-	1.1	43.0	10.6	0.1	9.0	0.1	4.7	0.2	2.6	0.8	100.0

Statistical Week	Weight by District																				Total	
	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116 1/	152	154	157	181	189	
6/10-6/16	8	18	51	290 2/	0	0	0	93	19	0	0	3,115	480	0	68	0	0	0	0	4	4,146	
6/17-6/23	200	730	1,305	5,537 3/	94	18	83	1,388	53	0	100	10,838	2,902	0	465	0	577	198	0	63	24,551	
6/24-6/30	3,663	8,423	6,621	9,859	807	157	68	2,252	63	0	559	115,806	17,712	0	6,545	73	6,084	969	20	222	179,903	
7/11-7/14	764	459	30,270	8,972	268	77	139	15,676	342	0	793	173,682	44,931	166	17,469	3,054	379	2,339	17	0	299,797	
7/15-7/21	15,801	17,393	34,748	44,910	6,698	1,130	127	76,475	814	0	3,251	582,626	55,703	794	45,896	765	22,830	1,399	368	1,967	913,695	
7/22-7/28	4,648	13,850	34,040	117,698	7,240	1,420	0	75,681	795	360	6,163	706,809	67,994	0	57,734	0	58,483	4,081	0	507	1,157,503	
7/29-8/04	5,073	7,917	43,244	271,693	17,138	4,257	0	9	79,732	3,841	36	7,362	750,406	74,257 4/	0	162,910	370	144,399	5,641	2,219	0	1,580,514
8/05-8/11	16,659	5,561	60,958	149,967	23,770	9,695	0	0	35,886	4,502	10	13,048	578,337	71,216	0	142,369	0	90,426	3,449	11,249	0	1,217,102
8/12-8/14	27,669	7,577	36,668	164,199	24,311	2,162	0	24,605	7,252	76	9,146	498,659	53,747	2,094	156,597	0	71,282	21,721	4,159	1,111,924		
8/25-8/25	210	249	1,021	234	0	114	0	0	165	0	0	1,470	16,712	5,825	0	0	0	0	857	0	26,857	
8/26-9/01	31,401	17,533	54,877	36,917	25,979	27,258	2,462	340	44,560	537	279	7,527	89,044	195,356	70	53,250	0	9,258 5/	8,925	0	605,573	
9/02-9/08	75,974	33,469	54,257	43,360	49,734	33,067	2,832	283	17,705	201	0	19,159	132,668	197,542	359	88,700	0	4,517	50,037	34,261	838,125	
9/09-9/16	104,237	15,629	11,240	17,681	39,412	26,473	0	0	13,679	57	0	22,897	80,649	132,993	1,539	44,987	3,910	1,758	78,542 6/	12,273	607,896	
9/16-9/20	56,923	8,372	980	2,775	3,242	7,524	1,324	78	4,432	3,809	0	4,959	27,241	43,262	307	13,609	0	8,060	77,886	19,268	284,051	
Total	343,230	137,180	370,280	874,092	198,693	113,352	7,035	710	392,329	22,285	761	96,434	3,766,592	963,930	5,329	790,539	8,172	418,053	18,076	251,841	72,724	8,851,637

-Continued-

Table 3. Troll harvest of coho salmon in Southeastern Alaska by district and statistical week in numbers, weight (pounds), and average weight, 1984 (continued).

Statistical Week	Average Weight by District																					
	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	152	154	157	181	189	Total
6/10-6/16	8.0	6.0	5.7	5.9					5.8	6.3		6.5	5.2		4.3					4.0	6.2	
6/17-6/23	5.7	5.2	5.9	6.1	4.3	6.0	5.5		6.3	6.6	6.7	5.7	5.4		5.2		5.2	5.5		5.7	5.7	
6/24-6/30	5.8	5.7	6.4	6.0	5.0	6.5	4.9		6.5	6.3	7.2	6.4	5.9		6.0	6.1	6.7	6.3	6.7	5.4	6.3	
7/11-7/14	6.6	4.9	6.6	7.1	6.9	6.4	5.0		7.2	6.7	7.3	7.3	6.9	9.2	6.8	7.1	7.0	6.3	5.7		7.1	
7/15-7/21	5.3	5.6	6.7	7.6	7.2	6.8	7.9		7.5	7.2	7.4	7.5	7.1	7.9	7.0	7.7	7.6	6.6	5.8	6.0	7.3	
7/22-7/28	5.8	6.3	7.1	8.0	7.9	7.1			7.7	6.3	8.0	7.6	8.0	7.4		7.5		7.7	7.7		8.0	7.8
7/29-8/04	5.7	6.2	8.0	8.3	8.1	6.8		9.0	7.8	6.7	7.2	7.8	8.1	7.8		7.5	10.9	8.1	8.0	8.5		8.0
8/05-8/11	7.8	7.7	8.0	8.3	8.3	8.2		0.0	8.5	8.7	10.0	7.6	8.5	8.1		8.1		8.5	8.0	7.4		8.3
8/12-8/14	7.8	7.7	7.7	8.2	8.2	8.3			8.4	8.4	7.6	7.9	8.5	8.3	9.7	8.2		8.3		8.5	7.2	8.3
8/25-8/25	10.0	9.2	7.9	7.5		9.5			8.7			8.9	7.9	8.6						8.5		8.2
8/26-9/01	8.0	8.6	8.1	8.9	9.4	9.5	9.0	9.2	8.8	6.6	9.0	8.4	8.8	8.7	7.0	9.0		9.0		8.9		8.7
9/02-9/08	8.6	9.0	8.4	9.2	9.5	9.8	8.7	9.8	8.5	9.6		8.7	9.3	9.1	8.2	8.9		11.4		9.8	8.8	9.1
9/09-9/16	9.5	9.4	8.3	9.0	9.3	9.7			8.4	9.5		8.4	9.2	9.2	6.7	9.1	8.3	11.7		8.9	8.8	9.1
9/16-9/20	9.8	10.0	8.3	8.9	9.4	9.8	9.6	11.1	8.7	8.9		8.6	8.3	9.1	8.8	8.9		8.5		8.3	8.0	8.8
Total	8.4	7.5	7.6	8.2	8.8	9.3	8.7	9.6	7.9	8.0	8.3	8.1	8.0	8.3	8.2	8.0	7.8	8.1	7.4	8.7	8.3	8.1

- 1/ District 116 includes catches and weight (pounds) reported to District 116-25.
- 2/ Includes 2 fish and 9 pounds reported in week 5 June - 9 June.
- 3/ Includes 21 fish and 131 pounds reported as gillnet-caught fish in District 104.
- 4/ Includes 7 fish and 55 pounds from unspecified time to this week by virtue of average weight.
- 5/ Includes 1,000 fish and 9,000 pounds from unspecified time to this week by virtue of average weight.
- 6/ Includes 1,260 fish and 10,274 pounds reported in District 157 during this time period.

Table 4. Purse seine harvest of coho salmon in Southeastern Alaska by district and statistical week in numbers, weights (pounds), and average weight, 1984.

Statistical Week	Catch by District												Total
	101	102	103	104	105	106	107	109	110	112	113	114	
7/01-7/07	21			918					18		18		975
7/08-7/14	216	356		1,498					288		194		2,552
7/15-7/21	1,472	1,295		1,251				151	346	2	177		4,694
7/22-7/28	693	3,332		11,267				59	108	913	2		16,374
7/29-8/04	8,437	967		23,881				690	774	2,545	305		37,599
8/05-8/11	8,468	7,901	1,047	29,816				2,620	557	5,492	479		56,380
8/12-8/18	15,427	8,265	2,785	46,706	438	2,377	8,965	2,947	1,450	163		89,523	
8/19-8/25	13,873	15,542	17,703	24,563	657	5,438	762	4,964	3,585	702	259		88,048
8/26-9/01	19,866	3,876	18,004	4,202	346			4,316	502	202	795		52,109
9/02-9/08	1,082	3,219			473				746	197	2,105		7,822
9/09-9/15	9,370	1,392					233			37	469		11,501
9/16-9/22		1,306					20	41					1,367
9/23-9/29		700						1				255	956
9/30-10/06								0		31			31
Total	78,925	48,151	39,539	144,102	1,914	5,438	3,159	21,889	1,590	17,413	3,376	4,435	369,931
Percent	21.3	13.0	10.7	39.0	0.5	1.5	0.9	5.9	0.4	4.7	0.9	1.2	100.0
Weight by District													
Statistical Week	101	102	103	104	105	106	107	109	110	112	113	114	Total
7/01-7/07	195			5,994					133		125		6,447
7/08-7/14	1,357	2,296		10,078					2,062		1,448		17,241
7/15-7/21	8,641	7,858		7,836				1,170	2,437	11	1,299		29,252
7/22-7/28	4,349	13,503		63,329				473	725	6,547	22		88,948
7/29-8/04	36,435	7,474		179,798				4,743	5,732	18,222	2,125		254,529
8/05-8/11	67,427	61,363	7,639	217,475				20,383	4,609	43,597	3,928		426,421
8/12-8/18	131,757	69,001	23,038	397,828	3,364	20,912	66,870		23,506	12,320	1,253		749,849
8/19-8/25	125,045	137,366	156,259	219,930	5,641	47,653	5,881	39,946		29,738	6,056	2,177	775,692
8/26-9/01	186,786	36,923	158,056	36,588	2,536			32,609		4,224	1,649	6,708	466,079
9/02-9/08	9,685	30,306			4,087					6,658	1,686	16,951	69,373
9/09-9/15	82,260	12,849					1,890			295	4,084		101,378
9/16-9/22		14,216					165	414					14,795
9/23-9/29		6,515						9			2,130		8,654
9/30-10/06								0		293			293
Total	653,937	399,670	344,992	1,138,856	15,628	47,653	26,958	167,337	12,236	137,417	28,092	36,175	3,008,951

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Table 4. Purse seine harvest of coho salmon in Southeastern Alaska by district and statistical week in numbers, weight (pounds), and average weight, 1984 (continued).

Statistical Week	Average Weight by District												Total
	101	102	103	104	105	106	107	109	110	112	113	114	
7/01-7/07	9.3			6.5						7.4			6.6
7/08-7/14	6.3	6.4		6.7						7.2		7.5	6.8
7/15-7/21	5.9	6.1		6.3					7.7	7.0	5.5	7.3	6.2
7/22-7/28	6.3	4.1		5.6				8.0	6.7	7.2	11.0		5.4
7/29-8/04	4.3	7.7		7.5				6.9	7.4	7.2	7.0		6.8
8/05-8/11	8.0	7.8	7.3	7.3				7.8	8.3	7.9	8.2		7.6
8/12-8/18	8.5	8.3	8.3	8.5	7.7	8.8	7.5			8.0	8.5	7.7	8.4
8/19-8/25	9.0	8.8	8.8	9.0	8.6	8.8	7.7	8.0		8.3	8.6	8.4	8.8
8/26-9/01	9.4	9.5	8.8	8.7	7.3			7.6		8.4	8.2	8.4	8.9
9/02-9/08	9.0	9.4			8.6						8.6	8.1	8.9
9/09-9/15	8.8	9.2						8.1			8.0	8.7	8.8
9/16-9/22		10.9					8.3	10.1					10.8
9/23-9/29		9.3						9.0				8.4	9.1
9/30-10/06								0.0		9.5			9.5
Total	8.3	8.3	8.7	7.9	8.2	8.8	8.5	7.6	7.7	7.9	8.3	8.2	8.1

Table 5. Gillnet harvest of coho salmon in Southeastern Alaska by district and statistical week in numbers, weight (pounds), and average weight, 1984.

Catch by District							
Statistical Week	101	102	106	108	111	115	Total
6/17-6/23	410		251		47	18	726
6/24-6/30	818		433		57	378	1,686
7/01-7/07	1,351		723		128	63	2,265
7/08-7/14	1,050		791		256	176	2,273
7/15-7/21	1,318		2,146		428	205	4,097
7/22-7/28	995		2,779		766	377	4,917
7/29-8/04	1,451		3,580	323	968	464	6,786
8/05-8/11	2,095		2,508	158	2,532	579	7,872
8/12-8/18	3,964	3	4,402		2,626	1,481	12,476
8/19-8/25	6,319	127	10,591		4,016	2,602	23,655
8/26-9/01	7,293		7,167		7,583	4,779	26,822
9/02-9/08	5,739		7,306	1,511	6,820	8,634	30,010
9/09-9/15	7,933		4,927	2,420	6,387	22,316	43,983
9/16-9/22	2,781		640	729	1,083	15,905	21,138
9/23-9/29	101				122	8,583	8,806
9/30-10/06					17	1,159	1,176
10/07-10/13						323	323
10/14-10/20						34	34
Total	43,618	130	48,244	5,141	33,836	68,076	199,045
Percent	21.9	0.1	24.2	2.6	17.0	34.2	100.0
Weight by District							
Statistical Week	101	102	106	108	111	115	Total
6/17-6/23	2,507		1,982		276	156	4,921
6/24-6/30	5,003		2,609		419	2,581	10,612
7/01-7/07	8,320		4,817		962	514	14,613
7/08-7/14	6,591		5,032		1,922	1,376	14,921
7/15-7/21	8,087		14,640		3,219	1,429	27,375
7/22-7/28	6,317		19,119		5,891	2,777	34,104
7/29-8/04	10,678		26,360	2,325	8,055	3,426	50,844
8/05-8/11	15,496		21,139	1,266	21,478	4,471	63,850
8/12-8/18	30,458	22	39,192		22,042	11,819	103,533
8/19-8/25	52,779	1,112	95,342		35,545	22,330	207,108
8/26-9/01	58,407		78,063		76,041	45,898	258,409
9/02-9/08	48,542		77,532	17,369	71,630	88,414	303,487
9/09-9/15	68,981		54,077	27,831	65,096	232,156	448,141
9/16-9/22	27,557		7,097	6,792	12,085	168,513	222,044
9/23-9/29	1,240				1,223	94,069	96,532
9/30-10/06					170	12,779	12,949
10/07-10/13						3,752	3,752
10/14-10/20						394	394
Total	350,963	1,134	447,001	55,583	326,054	696,854	1,877,589

-Continued-

Table 5. Gillnet harvest of coho salmon in Southeastern Alaska by district and statistical week in numbers, weight (pounds), and average weight, 1984 (continued).

Statistical Week	Average Weight by Week						Total
	101	102	106	108	111	115	
6/17-6/23	6.1		7.9		5.9	8.7	6.8
6/24-6/30	6.1		6.0		7.4	6.8	6.3
7/01-7/07	6.2		6.7		7.5	8.2	6.5
7/08-7/14	6.3		6.4		7.5	7.8	6.6
7/15-7/21	6.1		6.8		7.5	7.0	6.7
7/22-7/28	6.3		6.9		7.7	7.4	6.9
7/29-8/04	7.4		7.4	7.2	8.3	7.4	7.5
8/05-8/11	7.4		8.4	8.0	8.5	7.7	8.1
8/12-8/18	7.7	7.3	8.9		8.4	8.0	8.3
8/19-8/25	8.4	8.8	9.0		8.9	8.6	8.8
8/26-9/01	8.0		10.9		10.0	9.6	9.6
9/02-9/08	8.5		10.6	11.5	10.5	10.2	10.1
9/09-9/15	8.7		11.0	11.5	10.2	10.4	10.2
9/16-9/22	9.9		11.1	9.3	11.2	10.6	10.5
9/23-9/29	12.3				10.0	11.0	11.0
9/30-10/06					10.0	11.0	11.0
10/07-10/13						11.6	11.6
10/14-10/20						11.6	11.6
Total	8.0	8.7	9.3	10.8	9.6	10.2	9.4

Table 6. Trap harvest of coho salmon on the Annette Island Indian Reserve, Southeastern Alaska District 101-28, in numbers, weight (pounds), and average weight, 1984.

Week	Total Catch	Total Weight	Average Weight
7/08-7/14	175	1,024	5.9
7/15-7/21	208	1,275	6.1
7/22-7/28	72	424	5.9
7/29-8/04	402	2,410	6.0
8/05-8/11	275	2,289	8.3
8/12-8/18	563	4,618	8.2
8/19-8/25	551	5,026	9.1
8/26-9/01	1,840	16,826	9.1
9/02-9/08	1,509	12,993	8.6
Total	5,595	46,885	8.4

Table 7. Sport harvest of coho salmon in Southeastern Alaska, 1984.

Area	Number of fish
Ketchikan	21,296
Prince of Wales	7,487
Petersburg-Wranglell	4,046
Sitka	2,644
Juneau	15,677
Haines-Skagway	1,616
Glacier Bay	371
	53,137

Table 8. Canadian in-river harvest of coho salmon from the Taku River, 1984.

Week	Statistical Week	Number Harvested	Days Fished	Boats	Catch per Boat/Day
6/17-6/23	25	0	2	5	0
6/24-6/30	26	0	2	7	0
7/01-7/07	27	4	3	12	0.1
7/08-7/14	28	58	3	12	1.6
7/15-7/21	29	237	3	12	6.6
7/22-7/28	30	209	2	12	8.7
7/29-8/04	31	242	2	11	11.0
8/05-8/11	32	671	2	14	24.0
8/12-8/18	33	888	2	12	37.0
8/19-8/25	34	1,350	2	10	67.5
8/26-9/01 1/	35	212	2	8	13.3
9/02-9/08	36	891	2	6	74.3
9/09-9/15	37	227	1	4	56.8
9/16-9/22	38	368	2	3	61.3
Total		5,357	30	128	1.4

1/ Flood conditions.

Age, Sex, and Size Data:

Age and size statistics are presented for each commercial fishery sampled. The data is presented by area and period for the troll fishery, by district for the seine and gillnet fisheries, and by river for the Canadian transboundary river fishery. Trap, sport, and subsistence catches were not sampled. A comparison of age compositions between 1969, 1970, 1983, and 1984 harvests is presented.

Troll. Fish aged 1.1 and 2.1 dominated the troll catches (Table 9, Figure 2, Appendix Table 2). Fish aged 1.1 comprised more than 63% of the Southern Inside and Southern Outside Area catches but only about half of the Northern Inside and Northern Outside Area catches.

Fish aged 1.1 and 2.1 from the northern areas had larger average lengths (Table 10, Figure 3, Appendix Table 2) than those from the southern areas. Fish aged 2.1 and 3.1 were usually longer than fish aged 1.1. The inseason growth of fish was evident in all areas. Coho salmon were longer and heavier, on the average, in 1984 than in 1983 (Figures 3 and 4).

Seine. Fish aged 1.1 predominated the purse seine catches (Table 11). The southern districts (101-105) had higher proportions of age 1.1 fish than the northern districts. The most dramatic change in age compositions between 1983 and 1984 was in District 104 (Figure 5). The proportion of fish aged 1.1 in District 104 decreased from 66% in 1983 to 53% in 1984 along with a 46% decline in harvest. Perhaps there were higher interceptions of non-Alaskan coho salmon in District 104 during the 1984 El Nino year (McLain 1984).

Fish aged 1.1 had the smallest average length (Table 12), and females were smaller, on the average, than males (Appendix Table 3).

Gillnet. Age 1.1 and 2.1 fish were the dominant age classes in the gillnet fishery, and represented more than 97% of the catches in each district (Table 13, Figure 6, Appendix Table 4). Fish aged 1.1 predominated in Districts 101, 102, and 108 and comprised slightly less than half the catch in Districts 106, 111, and 115. Fish aged 1.1 comprised a higher proportion of the catch in all districts in 1983 (Figure 6).

Fish from Districts 111 and 115 were longer, on the average, than fish from other districts (Table 14, Appendix Table 4). Fish aged 1.1 again tended to be shorter than fish of older freshwater ages.

Canadian In-river Gillnet. Fish aged 2.1 were slightly more numerous than fish aged 1.1 in the Taku River (Table 15). There were no fish aged 3.1.

Comparison of Historical Age Data. We compare age composition data for selected Southeastern Alaska fisheries in 1984 with data from 1969 and 1970 (Gray et al. 1981), 1982 (Mesiar 1984), and 1983 (Van Alen and Wood 1986). Coho salmon harvested in 1969 and 1970 tended to smolt at an older age than those harvested in 1982 to 1984 (Table 16, Figure 7). This shift to younger age fish might be attributed to several factors. Colder winter temperatures for the 1965 to 1968 brood years compared to 1977 to 1981 brood years (Figure 8) could have resulted in slower growing fish with fewer attaining the threshold size for smolting (Crone and Bond 1976) at age 1.

Table 9. Age composition of the Southeastern Alaska troll fishery harvest of coho salmon by area and period, 1984.

Area	Inclusive Dates	Sample Size	Brood Year and Age Class						Total Catch	
			1982		1981		1980			
			1.0	2.0	1.1	2.1	3.1	4.1		
Northern Outside	17 Jun-21 Jul (Stat Wks. 25-29)	665	Percent		53.7	45.6	0.7			
			Number Fish		69,401	58,933	905		129,238	
			Standard Error		2,499	2,496	418			
	22 Jul-04 Aug (Stat Wks. 30-31)	720	Percent		51.9	47.1	1.0			
			Number Fish		132,876	120,587	2,560		256,024	
			Standard Error		4,767	4,763	949			
	05 Aug-14 Aug (Stat Wks. 32-33)	693	Percent		51.2	47.0	1.8			
			Number Fish		104,212	95,664	3,664		203,540	
			Standard Error		3,865	3,859	1,028			
	26 Aug-01 Sep (Stat Wk. 35)	761	Percent		48.5	51.0	0.5			
			Number Fish		21,008	22,091	217		43,316	
			Standard Error		785	785	111			
	02 Sep-08 Sep (Stat Wk. 36)	475	Percent		51.2	48.6	0.2			
			Number Fish		28,342	27,010	111		55,463	
			Standard Error		1,272	1,272				
	09 Sep-20 Sep (Stat Wks. 37-38)	578	Percent	0.2		52.7	46.9	0.2		
			Number Fish	122		32,059	28,531	122		
			Standard Error			1,263	1,263		60,833	
Area Total	17 Jun-20 Sep (Stat Wks. 25-38)	3,892	Percent	.0	51.4	47.8	0.8			
			Number Fish	199	398,473	370,182	5,977		774,831	
			Standard Error		6,909	6,902	1,473			
Southern Outside	17 Jun-11 Aug (Stat Wks. 26-32)	938	Percent		69.5	30.3	0.2			
			Number Fish		72,876	31,744	224		104,843	
			Standard Error		1,576	1,573	153			
	12 Aug-15 Sep (Stat Wks. 33-37)	760	Percent		61.2	38.4	0.4			
			Number Fish		31,380	19,705	202		51,288	
			Standard Error		907	905	117			
Area Total	17 Jun-15 Sep (Stat Wks. 26-37)	1,698	Percent		65.8	33.9	0.3			
			Number Fish		102,708	52,963	460		156,131	
			Standard Error		1,818	1,815	193			
Northern Inside	24 Jun-20 Sep (Stat Wks. 26-37)	450	Percent		47.8	50.4	1.6	0.2		
			Number Fish		30,996	32,727	1,009	144	64,876	
			Standard Error		1,528	1,529	384			

-Continued-

Table 9. Age composition of the Southeastern Alaska troll fishery harvest of coho salmon by area and period, 1984 (continued).

Area	Inclusive Dates	Sample Size	Brood Year and Age Class						Total Catch	
			1982		1981		1980			
			1.0	2.0	1.1	2.1	3.1	4.1		
Southern Inside	17 Jun-21 Jul (Stat Wks. 25-29)	461	Percent		51.8	47.1	1.1			
			Number Fish		5,182	4,705	108		9,995	
			Standard Error		233	232	49			
	22 Jul-11 Aug (Stat Wks. 30-32)	492	Percent		63.6	35.8	0.6			
			Number Fish		10,134	5,698	97		15,929	
			Standard Error		346	344	55			
	12 Aug-20 Sep (Stat Wks. 33-38)	795	Percent	0.1	69.6	29.9	0.4			
			Number Fish	87	47,840	20,590	260		68,776	
			Standard Error		1,122	1,117	154			
Area Total	17 Jun-20 Sep (Stat Wks. 25-38)	1,748	Percent	0.1	63.2	36.0	0.7			
			Number Fish	95	59,850	34,092	663		94,700	
			Standard Error		1,197	1,191	171			

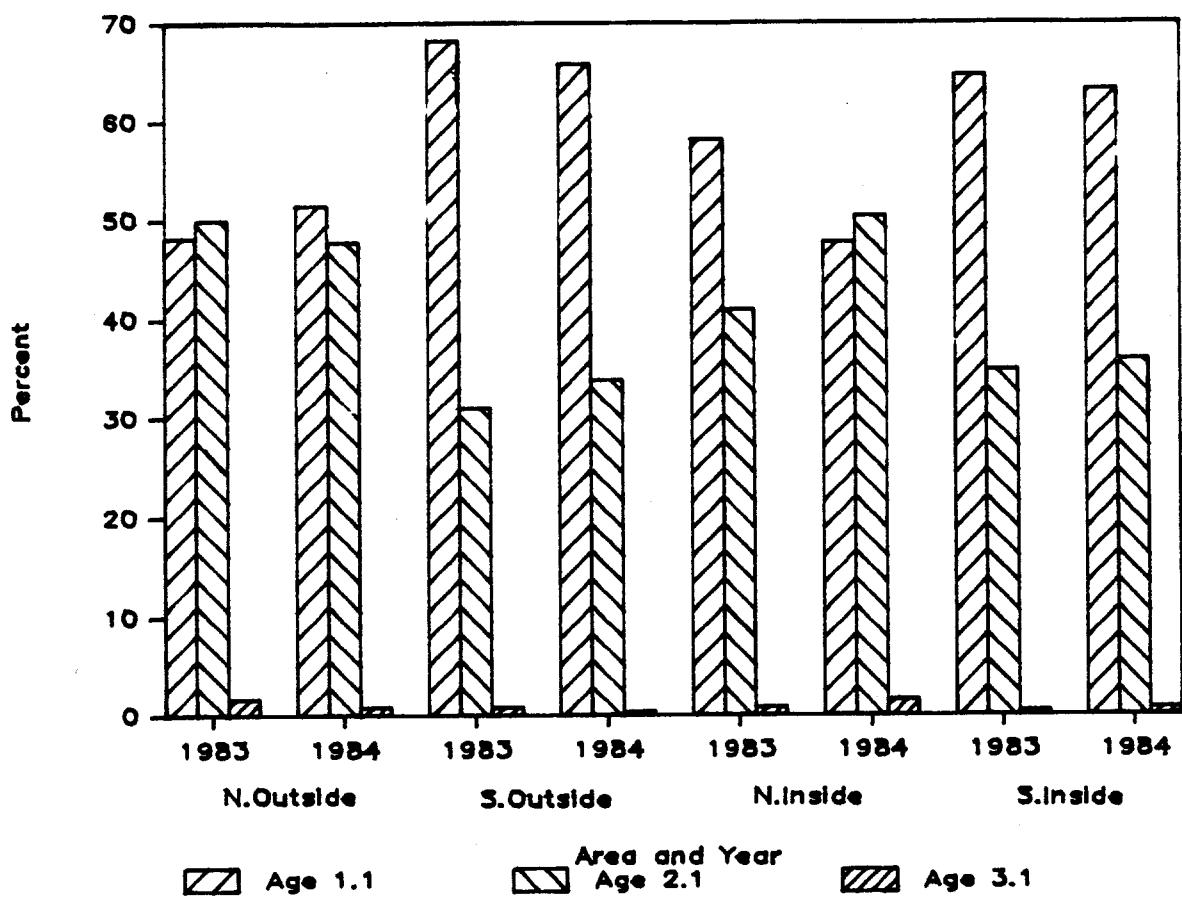


Figure 2. Age composition of the Southeastern Alaska troll harvest of coho salmon by area in 1983 and 1984.

Table 10. Average length (mm) and standard error (in parentheses) of coho salmon caught in the Southeastern Alaska troll fishery by area, period, and age, 1984.

Area	Inclusive Dates	Brood Year and Age Class					
		1982		1981		1980	
		1.0	2.0	1.1	2.1	3.1	4.1
Northern Outside	17 Jun-21 Jul (Stat Wks. 25-29)	Average Length		599(2.5)	607(2.8)	618(12.0)	
		Sample Size		357	303	5	
	22 Jul-04 Aug (Stat Wks. 30-31)	Average Length		628(2.5)	637(2.4)	626(20.3)	
		Sample Size		374	339	7	
	05 Aug-14 Aug (Stat Wks. 32-33)	Average Length		632(2.9)	643(2.6)	649(10.7)	
		Sample Size		355	326	12	
	26 Aug-01 Sep (Stat Wk. 35)	Average Length		644(2.3)	660(2.1)	684(11.1)	
		Sample Size		369	388	4	
	02 Sep-08 Sep (Stat Wk. 36)	Average Length		654(2.5)	662(2.2)	665(---)	
		Sample Size		242	231	1	
	09 Sep-20 Sep (Stat Wks. 37-38)	Average Length	310(---)	657(2.5)	671(2.1)	675(---)	
		Sample Size	1	303	271	1	
Area Total	17 Jun-20 Sep (Stat Wks. 25-38)	Average Length	310(---)	634(1.1)	646(1.1)	644(7.6)	
		Sample Size	1	2,000	1,858	30	
Southern Outside	17 Jun-11 Aug (Stat Wks. 26-32)	Average Length		623(2.4)	635(3.0)	665(---)	
		Sample Size		543	254	1	
	12 Aug-15 Sep (Stat Wks. 33-37)	Average Length		634(2.3)	640(2.6)	655(13.2)	
		Sample Size		440	275	3	
Area Total	17 Jun-15 Sep (Stat Wks. 26-37)	Average Length		625(1.6)	637(2.0)	652(9.1)	
		Sample Size		1,114	574	5	
Northern Inside	24 Jun-20 Sep (Stat Wks. 26-37)	Average Length		639(3.3)	649(2.7)	640(18.9)	610(---)
		Sample Size		214	226	7	1
Southern Inside	17 Jun-21 Jul (Stat Wks. 25-29)	Average Length		581(4.0)	598(4.0)	622(31.3)	
		Sample Size		239	217	5	
	22 Jul-11 Aug (Stat Wks. 30-32)	Average Length		589(3.0)	616(4.2)	642(23.2)	
		Sample Size		313	175	3	
	12 Aug-20 Sep (Stat Wks. 33-38)	Average Length	466(---)	662(1.9)	669(3.0)	639(21.2)	
		Sample Size	1	553	238	3	
Area Total	17 Jun-20 Sep (Stat Wks. 25-38)	Average Length	466(---)	624(2.0)	630(2.5)	632(15.5)	
		Sample Size	1	1,105	630	11	

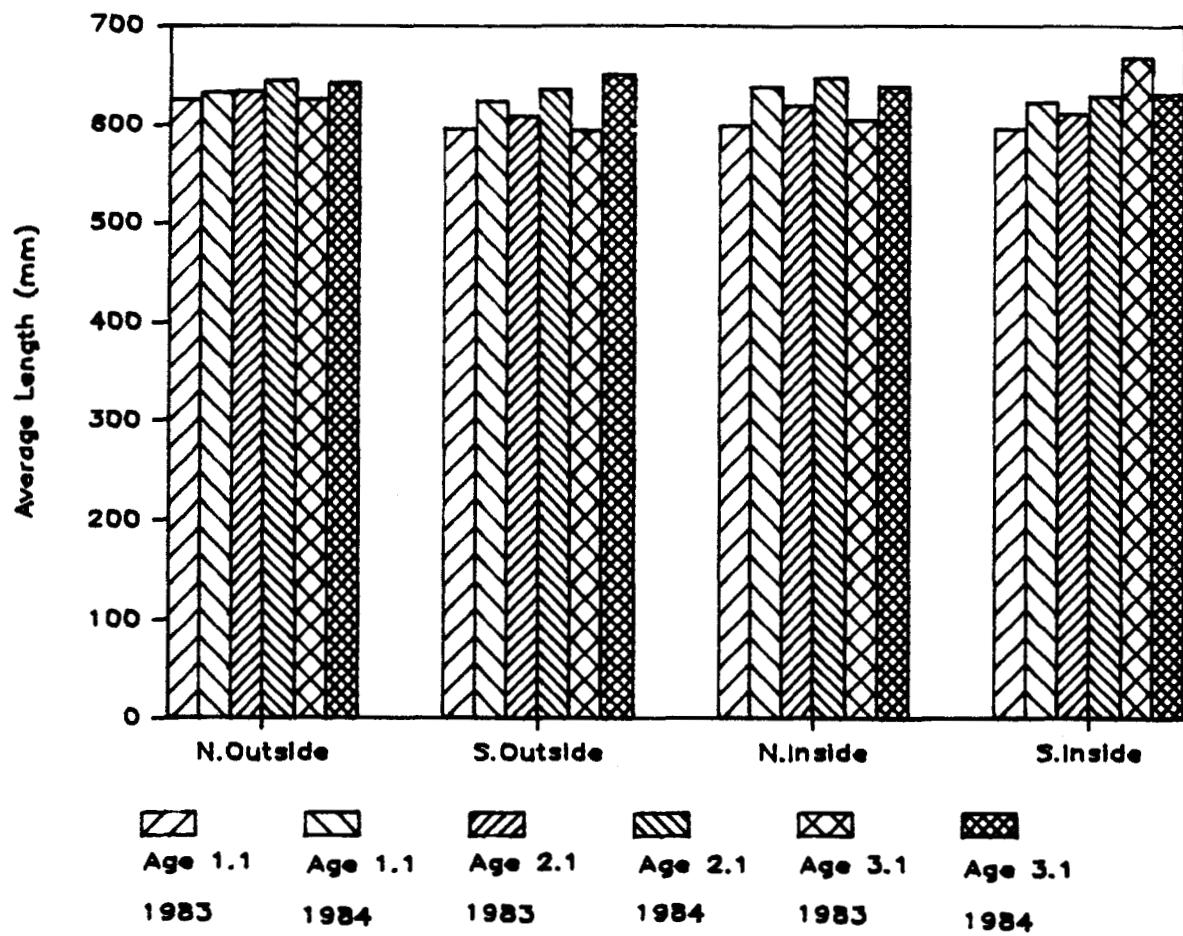


Figure 3. Average length per age group for coho salmon harvested in the Southeastern Alaska troll fishery by area in 1983 and 1984.

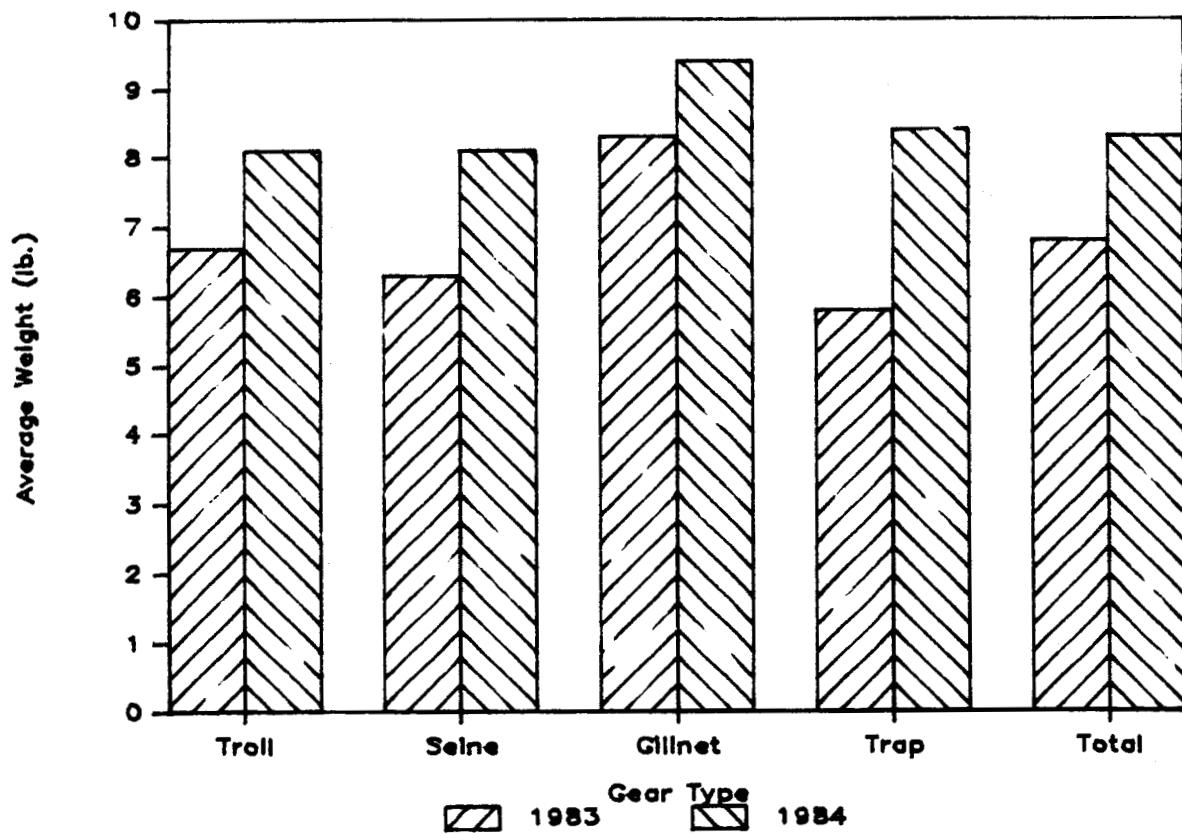
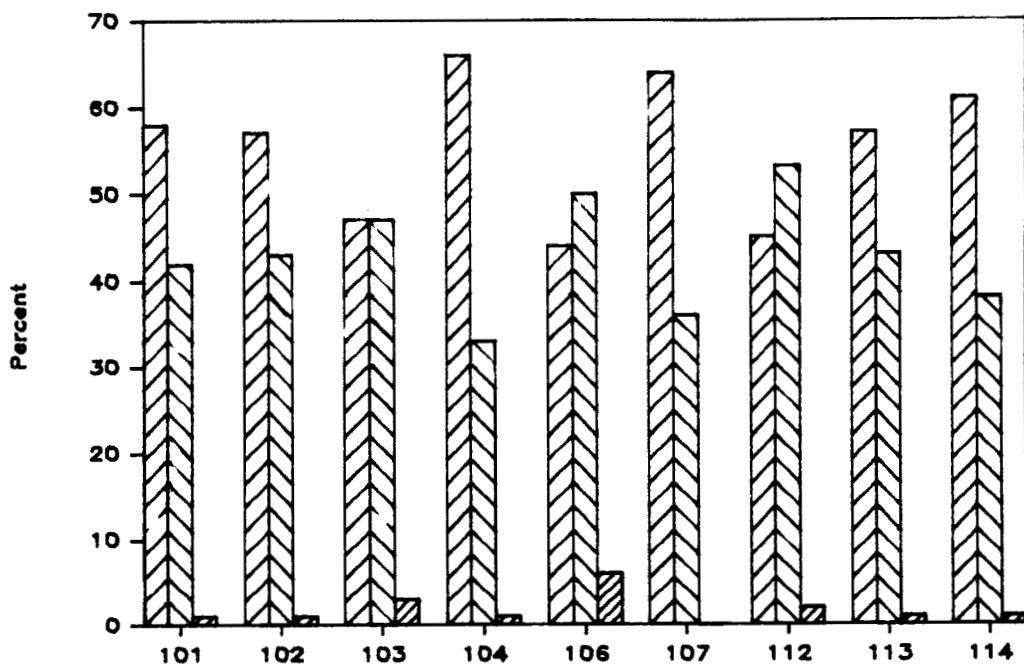


Figure 4. Average weight of coho salmon harvested in the Southeastern Alaska troll, seine, gillnet, and trap fisheries in 1983 and 1984.

Table 11. Age composition of the Southeastern Alaska purse seine harvest of coho salmon by district, 1984.

District	Inclusive Dates	Sample Size	Brood Year and Age Class							
			1982		1981		1980		1979	
			1.0	0.1	2.0	1.1	3.0	2.1	3.1	4.1
101	29 Jul-15 Sep (Stat Wks. 31-37)	338	Percent			66.9		33.1		
			Number Fish			52,772		26,153		78,925
			Standard Error			2,021		2,021		
102	22 Jul-25 Aug (Stat Wks. 30-34)	97	Percent	1.0	1.0	64.9		31.0	2.1	
			Number Fish	482	481	31,250		14,927	1,011	48,151
			Standard Error			2,333		2,261	701	
103	19 Aug-01 Sep (Stat Wks. 34-35)	67	Percent			64.2		35.8		
			Number Fish			25,376		14,163		39,539
			Standard Error			2,316		2,316		
104	07 Jul-27 Jul (Stat Wks 28-35)	277	Percent			53.4		44.0	2.2	0.4
			Number Fish			76,950		63,405	3,170	576 144,102
			Standard Error			4,319		4,298	1,270	
105	12 Aug-01 Sep (Stat Wks 33-35)	35	Percent			68.6		31.4		
			Number Fish			1,313		601		1,914
			Standard Error			150		150		
109	05 Aug-29 Sep (Stat Wks. 32-39)	160	Percent	1.3	56.2		38.7	3.8		
			Number Fish	285	12,302		8,471	832		21,889
			Standard Error	196	859		843	331		
112	22 Jul-18 Aug (Stat Wks 30-33)	190	Percent			52.1		47.4	0.5	
			Number Fish			9,072		8,254	87	17,413
			Standard Error			631		631		
113	29 Jul-18 Aug (Stat Wks. 31-33)	51	Percent			56.9		41.2	1.9	
			Number Fish			1,921		1,391	64	3,376
			Standard Error			234		233		
114	08 Jul-01 Sep (Stat Wks. 28-35)	131	Percent	2.2	54.2	0.8	42.0	0.8		
			Number Fish	98	2,404	35	1,863	35		4,435
			Standard Error	57	193		191			

1983



1984

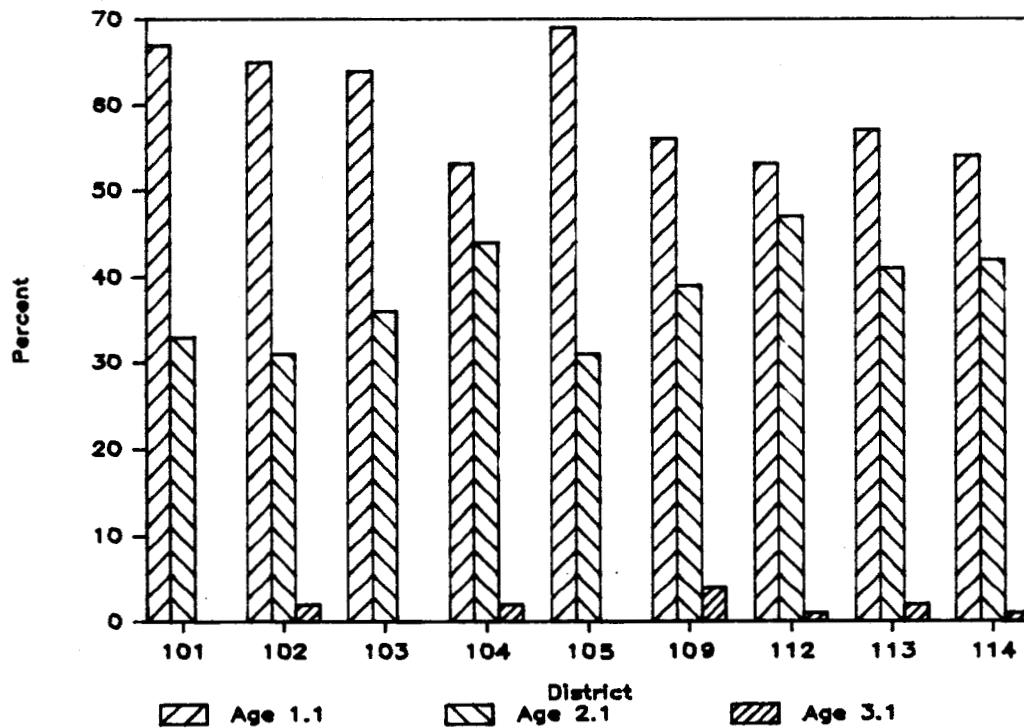


Figure 5. Age composition of the Southeastern Alaska purse seine harvest of coho salmon by district in 1983 and 1984.

Table 12. Average length (mm) and standard error (in parentheses) of coho salmon caught in the South-eastern Alaska purse seine fishery by district and age, 1984.

District	Inclusive Dates	Brood Year and Age Class							
		1982		1981		1980		1979	1978
		1.0	0.1	2.0	1.1	3.0	2.1	3.1	4.1
101	29 Jul-15 Sep (Stat Wks. 31-37)	Average Length			609(4.7)		617(6.1)		
		Sample Size			226		112		
102	22 Jul-25 Aug (Stat Wks. 30-34)	Average Length	365(---)	380(---)	591(9.9)		588(16.4)	460(40.0)	
		Sample Size	1	1	63		30	2	
103	19 Aug-01 Sep (Stat Wks. 34-35)	Average Length			609(6.7)		633(6.2)		
		Sample Size			43		24		
104	03 Jul-27 Aug (Stat Wks 28-35)	Average Length			615(4.3)		618(5.3)	614(30.4)	630(---)
		Sample Size			148		122	6	1
105	12 Aug-01 Sep (Stat Wks 33-35)	Average Length			566(13.4)		632(17.5)		
		Sample Size			24		11		
109	05 Aug-29 Sep (Stat Wks. 32-39)	Average Length	315(25.0)	587(6.1)			614(9.1)	632(23.4)	
		Sample Size	2	90			62	6	
112	22 Jul-18 Aug (Stat Wks 30-33)	Average Length			619(5.9)		621(6.4)	674(---)	
		Sample Size			99		90	1	
113	29 Jul-18 Aug (Stat Wks. 31-33)	Average Length			609(11.5)		607(12.8)	638(---)	
		Sample Size			29		21	1	
114	08 Jul-01 Sep (Stat Wks. 28-35)	Average Length	310(2.9)	599(6.3)	295(---)	615(6.5)	685(---)		
		Sample Size	3	71	1	55	1		

Table 13. Age composition of the Southeastern Alaska gillnet harvest of coho salmon by district, 1984.

District	Inclusive Dates	Sample Size	Brood Year and Age Class					Total Catch		
			1982		1981		1980			
			0.1	1.1	1.2	2.1	3.1			
101	17 Jun-22 Sep (Stat Wks. 25-38)	414	Percent	0.2	53.9		45.2	0.7		
			Number Fish	86	23,268		19,512	302		
			Standard Error		1,058		1,056	43,168 177		
102	16 Sep-22 Sep (Stat Wk. 38)	29	Percent		72.4		27.6			
			Number Fish		94		36	130		
			Standard Error		11		11			
106	17 Jun-04 Aug (Stat Wks. 25-31)	484	Percent		44.0		53.3	2.7		
			Number Fish		4,709		5,705	289		
			Standard Error		241		243	10,703 79		
	05 Aug-22 Sep (Stat Wks. 32-38)	455	Percent		53.4		45.1	1.5		
			Number Fish		20,047		16,931	563		
			Standard Error		878		876	37,541 214		
Average	17 Jun-22 Sep (Stat Wks. 25-38)	939	Percent		48.6		49.3	2.1		
			Number Fish		23,447		23,784	1,013		
			Standard Error		911		909	48,244 228		
108	29 Jul-18 Aug (Stat Wks. 31-33)	70	Percent		52.9		47.1			
			Number Fish		2,720		2,421			
			Standard Error		108		108	5,141		
111	24 Jun-22 Sep (Stat Wks. 26-38)	568	Percent		49.5	0.2	50.0	0.3		
			Number Fish		16,749	68	16,918	102		
			Standard Error		710		710	33,836 78		
115	15 Jul-29 Sep (Stat Wks. 29-39)	713	Percent		47.3		52.3	0.4		
			Number Fish		32,200		35,604	272		
			Standard Error		1,273		1,273	68,076 161		

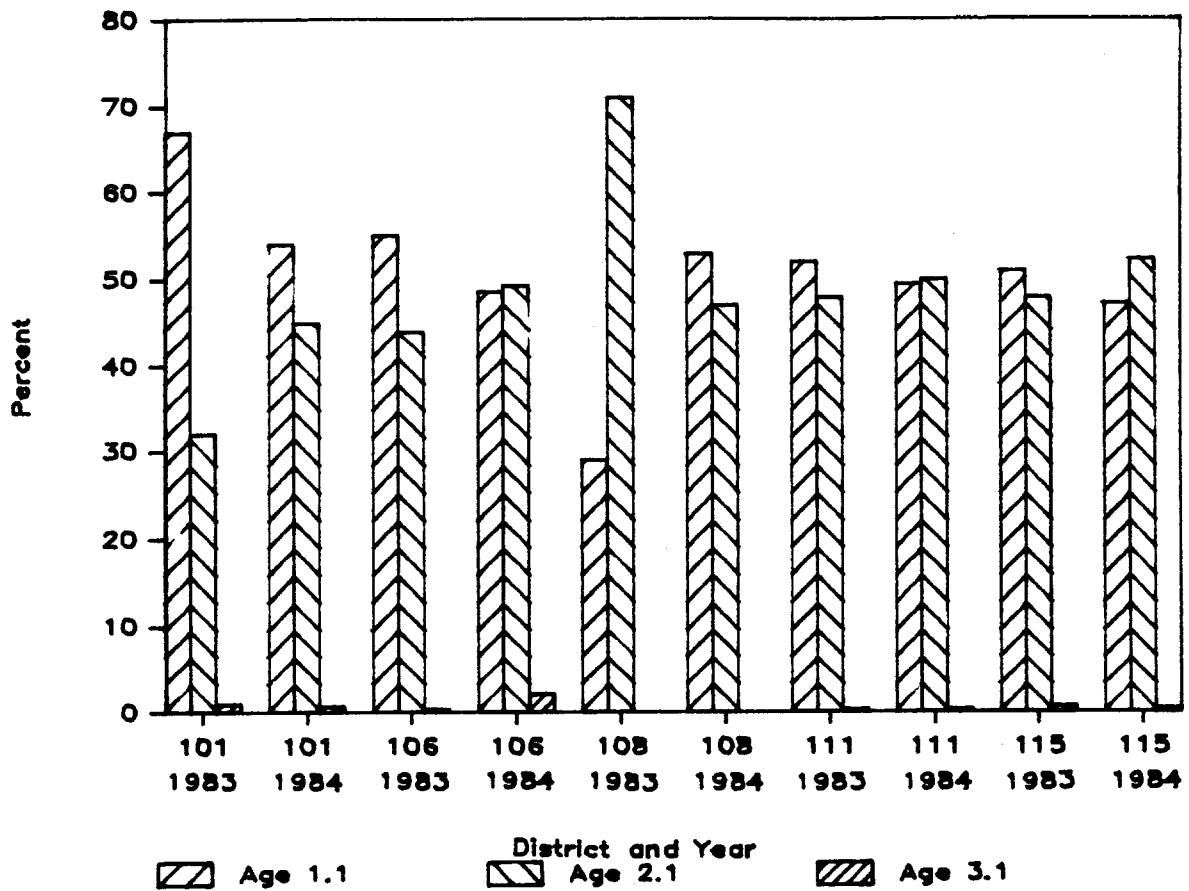


Figure 6. Age composition of the Southeastern Alaska gillnet harvest of coho salmon by district in 1983 and 1984.

Table 14. Average length (mm) and standard error (in parentheses) of coho salmon caught in the Southeastern Alaska gillnet fishery by district, week, and age, 1984.

District	Inclusive Dates	Brood Year and Age Class				
		1982		1981		1980
		0.1	1.1	1.2	2.1	3.1
101	17 Jun-22 Sep (Stat Wks. 25-38)	Average Length Sample Size	500(---) 1	595(3.5) 223	606(3.7) 187	622(14.8) 3
102	16 Sep-22 Sep (Stat Wk. 38)	Average Length Sample Size		623(11.6) 21	694(15.7) 8	
106	17 Jun-22 Sep (Stat Wks. 25-38)	Average Length Sample Size		613(2.8) 456	621(2.6) 463	605(14.3) 20
108	29 Jul-18 Aug (Stat Wks. 31-33)	Average Length Sample Size		567(11.2) 37	595(12.0) 33	
111	24 Jun-22 Sep (Stat Wks. 26-38)	Average Length Sample Size		642(3.9) 281	575(---) 1	625(3.9) 284
115	15 Jul-29 Sep (Stat Wks. 29-39)	Average Length Sample Size		628(3.3) 337	647(3.1) 373	570(42.5) 3

Table 15. Age composition and average length (mm) of coho salmon harvested in the Canadian commercial gillnet fishery on the Taku River, 17 July to 22 September 1984.

Brood Year and Age Class				
		1981	1980	
Sex		1.1	2.1	Total
Male	Percent	23.4	33.0	56.4
	Number of Fish	1,254	1,767	3,021
	SE of Number	154	171	
	Average Length	587	630	
	SE of Length	14.0	9.0	
	Sample Size	42	63	105
Female	Percent	18.8	24.8	43.6
	Number of Fish	1,007	1,329	2,336
	SE of Number	142	157	
	Average Length	645	634	
	SE of Length	9.4	7.6	
	Sample Size	37	49	86
Total	Percent	42.2	57.8	100.0
	Number of Fish	2,261	3,096	5,357
	SE of Number	180	180	
	Average Length	614	632	
	SE of Length	9.2	6.0	
	Sample Size	79	112	191

Table 16. Comparison of coho salmon age compositions between years 1969, 1970, 1982, 1983, and 1984 for selected Southeastern Alaska troll and gillnet fisheries.

Gear	District	Year	Sample Size	Percent by Age Class				Mean Freshwater Age
				1.1	2.1	3.1	4.1	
Troll	104	1969	868	26.7	64.4	8.9		1.82
		1970	473	16.7	70.4	11.8	1.1	1.97
		1982 1/	160	59.4	40.0	0.6		1.41
		1983 1/	981	68.1	31.0	0.8	0.1	1.33
		1984 1/	1,698	65.8	33.9	0.3		1.35
Troll	114	1969	449	28.3	62.8	8.9		1.81
		1970	424	17.5	70.3	11.6	0.7	1.96
		1982	444	48.7	49.8	1.6		1.53
		1983	1,432	44.2	53.8	2.0		1.58
		1984	1,581	50.7	49.0	0.3		1.50
Gillnet	111	1969	247	32.0	65.2	2.8		1.71
		1970	255	30.2	62.8	6.7	0.3	1.77
		1982	508	42.3	55.1	2.6		1.60
		1983	578	51.8	47.9	0.3		1.49
		1984	568	49.7	50.0	0.3		1.51
Gillnet	108	1969	373	42.6	54.2	2.9	0.3	1.61
		1970	220	12.7	72.7	14.6		2.02
		1982	215	37.7	58.6	3.7		1.66
		1983	65	29.2	70.8			1.71
		1984	70	52.9	47.1			1.47

1/ Age composition from the Southern Outside area (Districts 103, 104, and 152) troll harvests.

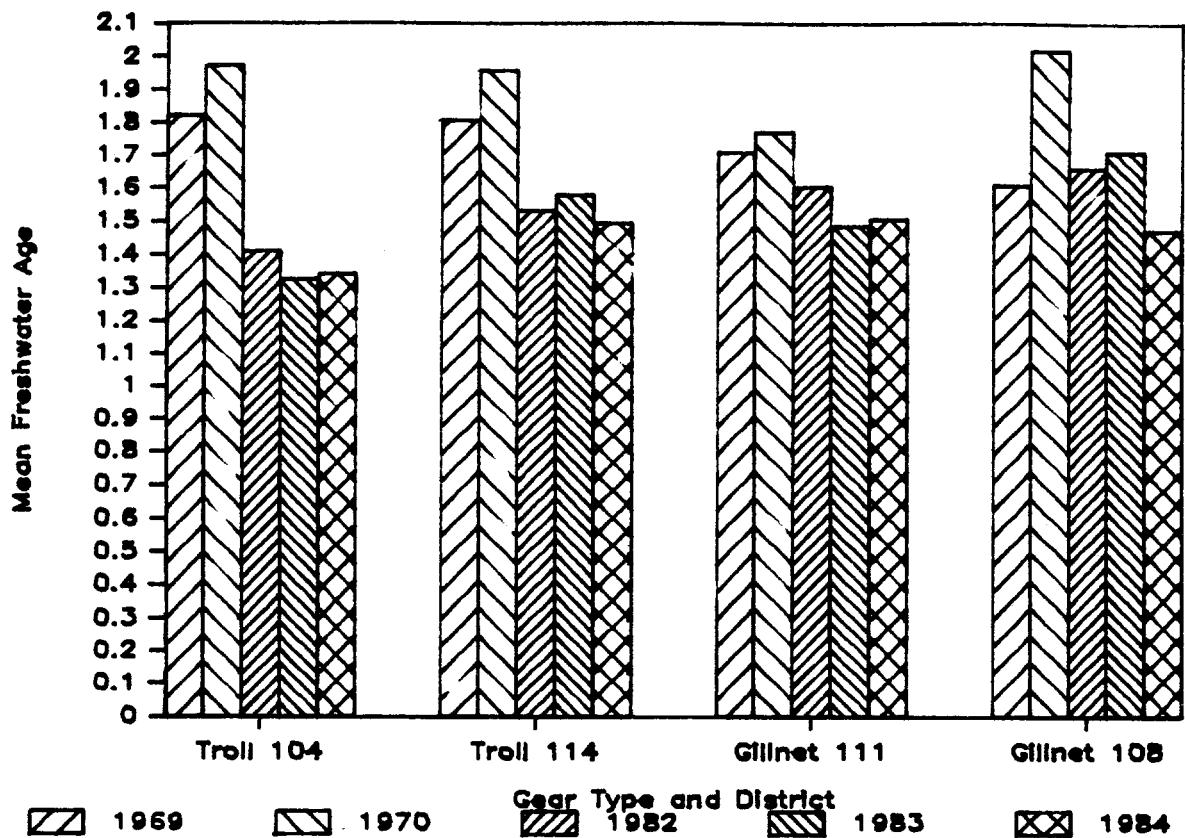


Figure 7. Mean freshwater age of coho salmon harvested in selected South-eastern Alaska troll and gillnet fisheries for the years 1969, 1970, 1982, 1983, and 1984.

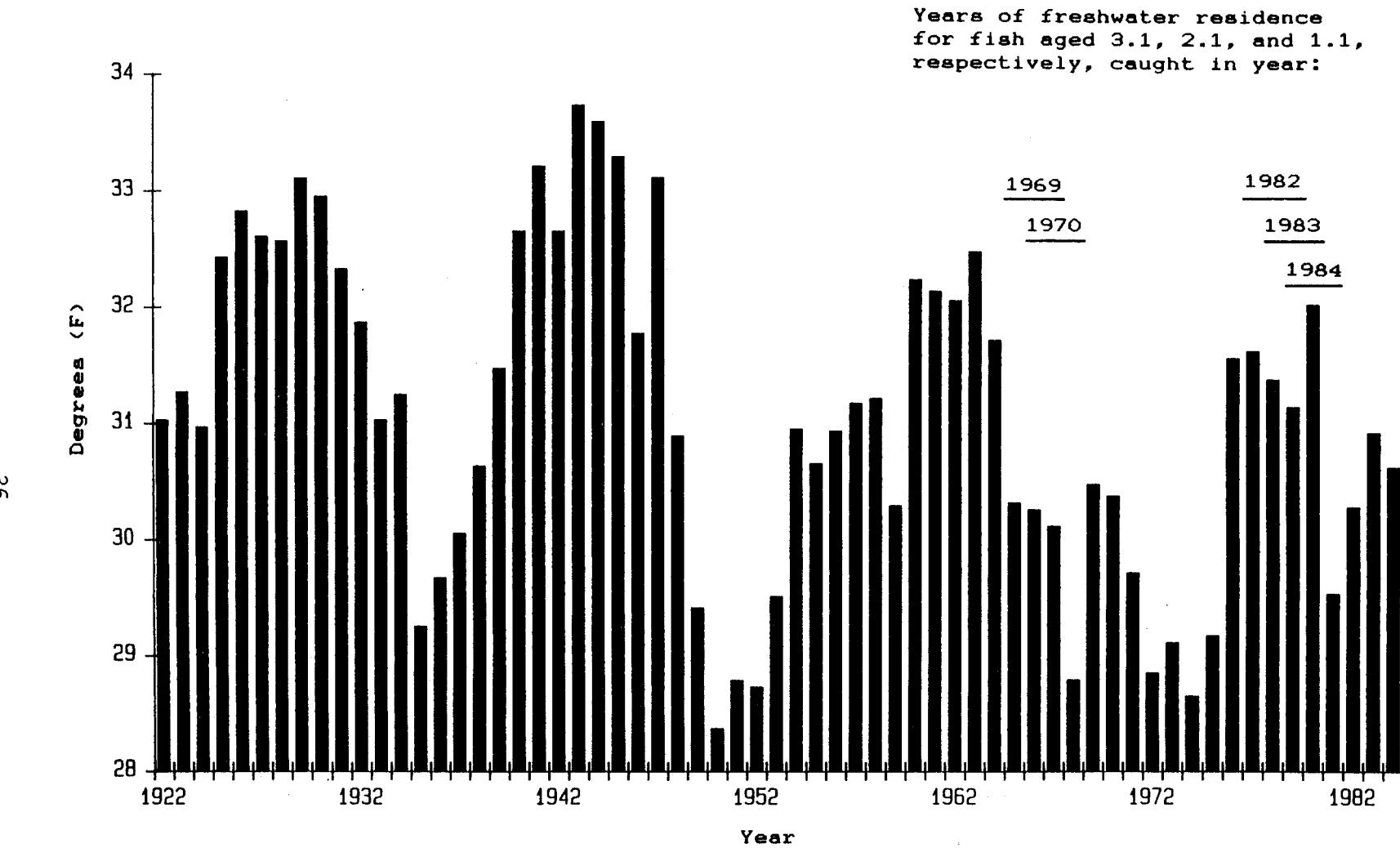


Figure 8. Average winter (November to February) air temperatures in Juneau, Alaska from 1922 to 1984.

Perhaps there has been higher interceptions of British Columbian and other non-Alaskan fish in recent years which are predominately aged 1.1 (Gray et al. 1981). A northern shift in migration routes for maturing British Columbia, Washington, and Oregon salmon was suspected in 1983 as a consequence of the El Nino effect (McLain 1984). Perhaps this is why the shift to younger age fish was most pronounced in the more coastal Districts 104 and 114 troll samples than in the inside Districts 111 and 108 gillnet samples.

Escapement Statistics

Selected Southeastern Alaska coho salmon escapements were surveyed to obtain estimates of abundance, run timing, age, sex, and size composition. These data are presented in the following sections.

Numbers of Fish:

Peak escapement and weir counts for the 94 runs surveyed, with counts of 25 or more, show that coho salmon spawn in numerous coastal and island drainages throughout the region (Table 17). Most peak counts were less than 500 fish. The largest single wild escapement count was 4,807 for Redoubt Lake. Escapement counts averaged about 1,000 fish in the eight systems monitored with weirs, about a thousand less than the average for 1983.

The mean date of migration for coho salmon into the systems weired specifically for their enumeration was usually late-September, but ranged from 25 August at Falls Lake to 6 October at Sashin Creek (Table 18). It should be noted that both systems are on the inside of Baranof Island within 35 miles of each other. Jacks tended to run earlier than adults. The mean date of migration in 1984 was later in inside coastal systems than in the outside island systems. However, upstream migration of coho salmon is highly dependent on water levels (rain fall), so differences in run timing should not be solely attributed to geographic factors. The duration of runs was highly variable between systems, but 80% of each escapement passed through most weirs over a one to two month period.

Age, Sex, and Size:

Age, length, and sex information was obtained from the escapements to seven wild and three hatchery runs (Tables 19 and 20). As in the commercial catches, age 1.1 and 2.1 fish dominated the escapements. Age .0 fish, jacks, were sampled from most escapements while this age class was almost absent in commercial catches because their small size was a deterrent to capture.

All coho salmon returning to Alaskan hatcheries in 1984 were aged 0. or 1. at time of release. Since some returning adults were aged 2. and 3., these fish either: (1) held over in freshwater for one or two additional winters, (2) were wild stock strays, or (3) were not accurately aged. Holdovers have been observed for fish released from Snettisham Hatchery.

Age compositions varied considerably between systems. These differences in age compositions did not show any apparent geographical trends. There were also differences in age composition between 1983 and 1984 (see Van Alen and Wood 1986) but no obvious trends were observed.

Table 17. Peak escapement estimates for coho salmon in Southeastern Alaska, 1984. Abbreviations for types of surveys are as follows: (A) aerial-fixed wing, (B) boat, (F) foot, (H) helicopter, (S) sonar, and (W) weir/.

Stream Number	Stream Name	Count	Method	Date	2/	Organization
101-11-065	Willard Creek	45	(A)	7/23		ADF&G 3/
101-15-019	Tombstone River	182	(F)	9/12		ADF&G
101-25-025	Tangass Creek Hatchery	8,400	(W)	9/22		AIIR 4/
101-30-075	Sockeye Creek-Hugh Smith Lake	1,216	(W)	11/25		ADF&G
101-45-007	Herring Cove	83	(F)	9/12		ADF&G
101-45-078	Carrol Creek	411	(F)	10/30		ADF&G
101-47-015	Ward Creek	352	(F)	9/27		ADF&G
101-47-025	Ketchikan Creek	58	(F)	10/30		ADF&G
101-71-004	Chickamin River	601	(F)	11/30		ADF&G
101-75-005	Herman Creek	71	(F)	9/8		ADF&G
101-75-015	Eulachon River	1,211	(F)	8/16		ADF&G
101-75-050	Klahini River	111	(F)	9/8		ADF&G
101-80-068	Wolverine Creek-McDonald Lake	307	(W)	8/30		ADF&G
101-90-029	Traitors Cove Creek	41	(F)	10/31		ADF&G
102-30-028	Perkins Creek	27	(F)	9/24		ADF&G
102-40-060	Lagoon Creek	600	(F)	9/19		ADF&G
102-60-087	Karta River	55	(W)	9/6		NMFS
102-60-072	Twelvemile Creek	31	(F)	9/20		ADF&G
103-21-008	Nutkwa Creek	200	(F)	9/26		ADF&G
103-25-005	Saltry Creek	225	(F)	9/23		ADF&G
103-40-035	Natzuhini NE Corner	183	(F)	9/23		ADF&G
103-60-047	Klawock River	1,596	(W)	9/23		ADF&G
103-90-030	Staney Creek	133	(F)	9/12		ADF&G
105-10-024	Bear Harbor Creek	60	(F)	9/24		ADF&G
105-10-032	Kell Bay Creek	27	(F)	9/24		ADF&G
105-32-019	2.2 Mile North Big John Creek	45	(F)	10/11		NMFS 5/
105-42-005	Calder Creek	91	(F)	9/25		ADF&G
105-42-009	El Capitan Creek	70	(F)	9/25		ADF&G
105-50-001	Trout Creek - Kosciusko Island	170	(F)	9/26		ADF&G
106-22-006	Flat Creek - Mosman Inlet	31	(F)	9/7		ADF&G
106-30-077	Whale Passage West Head	150	(F)	9/27		ADF&G
106-30-080	108 Creek Whale Passage	30	(F)	9/27		ADF&G
106-30-085	Exchange Cove Creek	106	(F)	9/27		ADF&G
106-44-006	Falls Creek-Mitkof Island	171	(F)	10/3		ADF&G
106-44-060	Petersburg Creek	414	(F)	10/19		ADF&G
107-40-078	Earl West Creek	48	(F)	9/14		ADF&G
108-40-015	Stikine River	3,771	(S)	9/19		ADF&G
108-40-040	Blind Slough-Summer	83	(F)	10/2		ADF&G
108-40-050	Chamer Creek	132	(F)	10/2		ADF&G
108-40-13A	West of Hot Springs	37	(F)	10/18		ADF&G
108-50-003	Bear Creek-Fredrick Sound	91	(F)	10/4		ADF&G

-Continued-

Table 17. Peak escapement estimates for coho salmon in Southeastern Alaska, 1984. Abbreviations for types of surveys are as follows: (A) aerial-fixed wing, (B) boat, (F) foot, (H) helicopter, (S) sonar, and (W) weir, 1984 (continued).

Stream Number	Stream Name	Count	Method	Date 2/	Organization
108-70-003	Iskut River	42	(H)	10/30	ADF&G
108-70-011	Katete River	460	(H)	10/30	ADF&G
108-70-045	Inhini River	112	(H)	10/30	ADF&G
109-10-006	Sashin Creek-Port Walter North	251	(W)	10/22	NMFS
109-10-023	Deep Cove- Northwest Head	52	(F)	10/4	NSRAA 6/
109-20-013	Falls Lake-Baranof Island	164	(H)	10/17	ADF&G
109-52-007	Rowen Creek	65	(F)	9/13	ADF&G
111-32-032	Taku River	1,100	(A)	9/27	ADF&G
111-32-038	Sockeye Creek-Taku River	275	(A)	9/23	ADF&G
111-32-046	Moose Creek-Taku River	500	(F)	10/5	ADF&G
111-32-056	Fish Creek-Taku River	700	(A)	9/27	ADF&G
111-32-066	Yehring Creek-Taku River	2,900	(B)	7/9	ADF&G
111-32-068	Johnson Creek-Taku River	235	(A)	9/23	ADF&G
111-32-203	Wilms Creek-Taku River	1,480	(A)	9/27	ADF&G
111-32-254	Little Tatsamenie Lake	300	(H)	9/15	ADF&G
111-32-260	Hackett River	100	(H)	9/15	ADF&G
111-33-034	Speel Lake	150	(W)	9/14	ADF&G
111-35-006	Crescent Lake Outlet	500	(W)	9/12	ADF&G
111-40-007	Switzer Creek	123	(F)	10/9	ADF&G
111-40-012	Vanderbilt Creek	50	(F)	10/9	ADF&G
111-50-010	Peterson Creek-Favor Cove	189	(F)	10/11	ADF&G
111-50-042	Auke Lake	636	(W)	11/26	NMFS
111-50-052	Montana Creek	581	(F)	10/12	ADF&G
111-50-056	Steep Creek	168	(F)	10/9	ADF&G
111-50-062	Jordan Creek	251	(F)	10/10	ADF&G
111-50-069	Fish Creek - Douglas Island	50	(F)	10/17	ADF&G
111-50-075	Peterson Creek-Douglas Island	50	(F)	10/17	ADF&G
112-67-035	Hasselborg River	700	(A)	8/19	ADF&G
112-67-040	Jim's Creek	183	(F)	10/19	ADF&G
112-80-028	Chaik Bay Creek	415	(F)	10/9	ADF&G
112-80-028	Whitewater Creek	500	(F)	9/6	ADF&G
113-22-028	Port Banks	600	(A)	7/22	ADF&G
113-41-015	Starrigaven Creek	385	(F)	9/28	ADF&G
113-41-019	Indian River-Sitka	175	(F)	10/4	SJ 7/
113-41-032	Salmon Lake-Baranof Island	1,363	(W)	10/09	ADF&G
113-41-042	Kizhuchi Creek - Redoubt Bay	225	(F)	9/10	USFS 8/
113-41-043	Redoubt Lake	4,807	(W)	10/7	ADF&G
113-43-002	Nakwasina River	715	(F)	9/27	ADF&G
113-52-004	Hanus Bay	300	(F)	9/19	NSRAA
113-61-006	Sea Lion Cove South End	130	(F)	11/17	NSRAA
113-62-008	Sinitsin Cove Head	160	(F)	9/26	ADF&G
113-64-001	Deep Bay Head	67	(H)	10/3	ADF&G
113-66-006	St. John Baptist Head	154	(F)	9/27	ADF&G
113-81-011	Black River	425	(H)	10/3	ADF&G

-Continued-

Table 17. Peak escapement estimates for coho salmon in Southeastern Alaska, 1984. Abbreviations for types of surveys are as follows: (A) aerial-fixed wing, (B) boat, (F) foot, (H) helicopter, (S) sonar, and (W) weir, 1984 (continued).

Stream Number	Stream Name	Count	Method	Date 2/	Organization
115-20-007	Johnson Creek - Berners	28	(F)	10/11	ADF&G
115-20-010	Berners River	3,000	(A)	9/5	ADF&G
115-20-030	Antler - Gilkey River	48	(A)	10/4	ADF&G
115-32-025	Chilkat River	3,600	(A)	11/29	ADF&G
115-32-030	Takhin River	181	(A)	11/29	ADF&G
115-32-031	Tsirku - Big Salmon River	150	(A)	11/29	ADF&G
115-32-032	Chilkat Lake Outlet	691	(W)	10/7	ADF&G
115-32-045	Little Salmon River	112	(F)	10/11	ADF&G
115-30-020	Chilkoot Lake Outlet	277	(W)	9/14	ADF&G

1/ Includes only those surveys in which more than 25 coho salmon were counted, includes jacks.

2/ Date of survey or last day of weir operation.

3/ Alaska Department of Fish and Game

4/ Annette Island Indian Reservation

5/ National Marine Fisheries Service

6/ Sheldon Jackson College

7/ Northern Southeast Regional Aquaculture Association

8/ United States Forest Service

Table 18. Run timing of coho salmon through weirs in Southeastern Alaska, 1984.

System	Dates of Operation	Cumulative Percent Past Weir 1/					Mean Date 2/	Variance 3/
		10%	50%	90%				
Hugh Smith Lake	Jul 17-Nov 26	August 31	September 18	November 22	September 19		828.0	
Hugh Smith Lake Jacks	Jul 17-Nov 26	August 20	September 12	September 26	September 12		297.0	
Klawock River	Sep 7-Oct 15	September 17	September 30	October 10	September 30		90.0	
Sashin Creek Wild	Aug 25-Oct 24	September 15	October 6	October 21	October 6		144.7	
Sashin Creek Jacks	Aug 25-Oct 24	September 28	October 1	October 6	September 30		12.9	
Sashin Creek Hatchery	Aug 25-Oct 24	September 15	October 1	October 10	October 1		114.9	
Falls Lake	Jul 31-Sep 17	August 13	August 25	September 8	August 25		91.9	
Auke Lake	Aug 24-Oct 30	September 29	October 2	October 9	October 2		57.1	
Auke Lake Jacks	Aug 24-Oct 30	September 16	September 22	October 3	October 1		69.3	
Salmon Lake 4/ 5/	Aug 13-Oct 11	September 16	October 2	October 6	October 2		129.5	
Salmon Lake Jacks 4/ 5/	Aug 13-Oct 11	August 28	September 17	October 2	October 3		28.2	
Redoubt Lake	Jul 29-Oct 7	August 22	September 4	September 24	September 4		179.6	
Redoubt Lake Jacks	Jul 29-Oct 7	August 21	September 4	September 23	September 3		126.3	
Chilkat Lake	Aug 21-Oct 7	September 18	September 28	October 5	September 28		15.0	

1/ Dates were interpolated when necessary.

2/ Rounded to the nearest calendar date.

3/ Days squared.

4/ Weir closed due to high water 2100 hrs 8/24/84 to 0530 hrs 8/27/84.

5/ Weir closed on 10/8/84 due to high water.

Table 19. Age composition of coho salmon in escapements to Southeastern Alaska systems, 1984.

Stream Number	Location Sampled	Sex	Sample Size	Brood Year and Age Class					Total	
				1982		1981		1980		
				1.0	1.1	2.0	2.1	3.0	3.1	
101-11-079	Hugh Smith Lake Weir	Male	348		11.8	1.2	31.5		1.2	44.9
		Female	428		11.6	0.1	41.6		1.8	55.1
		Total	777	1/	22.6	1.3	73.1		3.0	100.0
106-44-031	Crystal Lake Hatchery - Weir	Male	225		45.7		1.5			47.2
		Female	252		50.9		1.9			52.8
		Total	477		96.6		3.4			100.0
108-40-015	Stikine River Set Gillnet (Kakwan Point)	Male	39	2.0	58.8		15.7			76.5
		Female	12		13.7		7.8		2.0	23.5
		Total	51	2.0	72.5		23.5		2.0	100.0
109-20-032	Falls Lake - Weir	Male	51		11.9	1.6	26.2		0.8	40.5
		Female	75		19.8		37.3		2.4	59.5
		Total	126		31.7	1.6	63.5		3.2	100.0
111-32-032	Taku River Fishwheel # 1	Male	2		12.5		12.5			25.0
		Female	6		25.0		50.0			75.0
		Total	8		37.5		62.5			100.0
111-32-032	Taku River Fishwheel # 2	Male	137		25.0	0.9	36.4			62.3
		Female	83		15.9		21.8			37.7
		Total	220		40.9	0.9	58.2			100.0
111-32-032	Taku River Fishwheel # 3	Male	202	0.3	29.8		29.5		0.6	60.2
		Female	135		15.2		24.4		0.6	40.2
		Total	336	0.3	44.9		53.9		0.9	100.0
111-32-032	Taku River Fishwheel # 4	Male	42		30.3		33.3			63.6
		Female	24		10.6		25.8			36.4
		Total	66		40.9		59.1			100.0
111-32-032	Taku River Total Fishwheels	Male	382	0.2	27.9	0.3	32.1		0.2	60.7
		Female	248		15.1		23.9		0.3	39.3
		Total	630	0.2	43.0	0.3	56.0		0.5	100.0
111-33-000	Snettisham Hatchery - Weir	Male	182	1.1	43.8	1.6	1.3	0.3		48.8
		Female	197		49.3		2.6			52.0
		Total	379	1.1	93.1	1.6	4.0	0.3		100.0
111-50-042	Auke Creek - Weir	Male	295	0.6	4.7	19.2	31.8	2.6	0.8	59.7
		Female	199		2.8		34.2		3.2	40.3
		Total	494	0.6	7.5	19.2	66.0	2.6	4.0	100.0

-Continued-

Table 19. Age composition of coho salmon in escapements to Southeastern Alaska systems, 1984 (continued).

Stream Number	Location Sampled	Sex	Sample Size	Brood Year and Age Class					Total	
				1982		1981		1980		
				1.0	1.1	2.0	2.1	3.0	3.1	
113-41-019	Sheldon Jackson	Male	33		54.1					54.1
	College Hatchery	Female	27		42.6		1.6			44.2
	Weir	Total	61		98.4		1.6			100.0
113-41-032	Salmon Lake - Weir	Male	321	1.3	10.7	29.8	25.2	2.0	1.3	70.4
		Female	135		6.1	1.5	21.3		0.7	29.6
		Total	456	1.3	16.9	31.4	46.5	2.0	2.0	100.0
113-41-043	Redoubt Lake - Weir	Male	294	1.5	11.6	11.2	36.5		1.3	62.1
		Female	179		5.3	0.6	30.4		1.5	37.8
		Total	474	1.5	16.9	11.8	67.1		2.7	100.0

1/ Totals include unsexed fish.

Table 20. Average length (mm) and standard error (in parentheses) by sex and age of coho salmon from escapements in Southeastern Alaska, 1984.

Stream Number	Location Sampled	Sex	Average Length Sampled by Brood Year and Age Class					
			1981		1980		1979	
			1.0	1.1	2.0	2.1	3.0	3.1
101-11-079	Hugh Smith Lake - Weir	Male	Average Length	644(7.5)	506(62.0)	660(3.6)	633(19.8)	
			Sample Size	85	9	245	9	
		Female	Average Length	655(5.0)	385(—)	671(2.2)	679(10.1)	
			Sample Size	90	1	323	14	
		Total	Average Length	655(4.5)	494(56.7)	666(2.0)	661(10.7)	
			Sample Size	176	10	568	23	
106-44-031	Crystal Lake Hatchery - Weir	Male	Average Length	602(3.4)		605(23.7)	635(—)	
			Sample Size	218		7	1	
		Female	Average Length	631(2.2)		616(9.5)	605(—) 665(—)	
			Sample Size	243		9	1	1
		Total	Average Length	617(2.1)		611(11.3)	620(15.0) 665(—)	
			Sample Size	461		16	2	1
108-70-002	Stikine River Set Gillnet (Kukwan Point)	Male	Average Length	485(—)	520(11.8)	512(27.8)		
			Sample Size	1	30	8		
		Female	Average Length		478(20.7)	566(45.8)	540(—)	
			Sample Size		7	4	1	
		Total	Average Length	485(—)	512(10.6)	530(24.0)	540(—)	
			Sample Size	1	37	12	1	
109-20-013	Falls Lake - Weir	Male	Average Length	620(10.0)	334(11.0)	633(9.0)	626(—)	
			Sample Size	15	2	33	1	
		Female	Average Length	595(9.4)		612(4.5)	593(39.6)	
			Sample Size	25		47	3	
		Total	Average Length	605(7.2)	344(11.0)	621(4.7)	601(29.2)	
			Sample Size	40	2	80	4	
111-32-032	Taku River - Fish Wheel # 1	Male	Average Length	555(—)		475(—)		
			Sample Size	1		1		
		Female	Average Length	620(20.0)		620(21.2)	573(—)	
			Sample Size	2		4	1	
		Total	Average Length	598(24.6)		591(33.3)	573(—)	
			Sample Size	3		5	1	

-Continued-

Table 20. Average length (mm) and standard error (in parentheses) by sex and age of coho salmon from escapements in Southeastern Alaska, 1984 (continued).

Stream Number	Location Sampled	Sex	Average Length Sampled by Brood Year and Age Class					
			1981		1980		1979	
			1.0	1.1	2.0	2.1	3.0	3.1
111-32-032	Taku River - Fish Wheel # 2	Male	Average Length	545(13.1)	340(20.0)	616(9.4)		
			Sample Size	55	2	80		
		Female	Average Length	576(11.1)		613(11.5)		
			Sample Size	35		48		
		Total	Average Length	557(9.2)	340(20.0)	614(7.3)		
			Sample Size	90	2	128		
111-32-032	Taku River - Fish Wheel # 3	Male	Average Length	325(—)	549(10.1)		587(9.7)	530(—)
			Sample Size	1	100		99	1
		Female	Average Length	598(8.8)		612(6.4)	568(2.5)	
			Sample Size	51		82		2
		Total	Average Length	325(—)	565(7.6)		599(6.1)	555(12.6)
			Sample Size	1	151		181	3
111-32-032	Taku River - Fish Wheel # 4	Male	Average Length	523(17.6)		592(18.7)		
			Sample Size	20		22		
		Female	Average Length	539(25.6)		607(10.7)		
			Sample Size	7		17		
		Total	Average Length	527(14.4)		599(11.6)		
			Sample Size	27		39		
111-32-032	Taku River - Fish Wheel Total	Male	Average Length	325(—)	545(7.3)	340(20.0)	598(6.4)	530(—)
			Sample Size	1	176	2	202	1
		Female	Average Length	586(6.7)		612(5.2)	568(2.5)	
			Sample Size	95		151		2
		Total	Average Length	325(—)	559(5.4)	340(20.0)	604(4.3)	555(12.6)
			Sample Size	1	271	2	353	3
111-33-000	Snettisham Hatchery - Weir	Male	Average Length	316(19.7)	601(4.8)	365(13.0)	673(16.3)	373(—)
			Sample Size	4	166	6	5	1
		Female	Average Length	640(2.4)		685(9.0)		
			Sample Size	187		10		
		Total	Average Length	316(19.7)	621(2.8)	365(13.0)	681(7.8)	373(—)
			Sample Size	4	26	6	15	1

-Continued-

Table 20. Average length (mm) and standard error (in parentheses) by sex and age of coho salmon from escapements in Southeastern Alaska, 1984 (continued).

Stream Number	Location Sampled	Sex	Average Length Sampled by Brood Year and Age Class						
			1981		1980		1979		1978
			1.0	1.1	2.0	2.1	3.0	3.1	4.1
111-50-042	Auke Lake - Weir	Male	Average Length	323(14.5)	640(10.8)	335(2.4)	643(4.1)	332(3.9)	653(10.9)
			Sample Size	3	23	95	157	13	4
		Female	Average Length		633(12.0)		650(2.6)		659(6.6)
			Sample Size		14		169		16
113-41-019	Sheldon Jackson College Hatchery Weir	Male	Average Length	323(14.5)	637(8.0)	335(2.4)	647(2.4)	332(3.9)	658(5.6)
			Sample Size	3	37	95	326	13	20
		Female	Average Length		586(8.0)				
			Sample Size		33				
113-41-032	Salmon Lake - Weir and Carcass	Male	Average Length	607(6.2)			695(—)		
			Sample Size	60			1		
		Female	Average Length		633(7.1)		695(—)		
			Sample Size		29		1		
113-41-043	Redoubt Lake - Weir	Male	Average Length	398(16.4)	640(10.7)	408(2.5)	634(7.0)	442(17.8)	636(28.3)
			Sample Size	6	49	136	115	9	6
		Female	Average Length		682(6.6)	503(35.2)	678(4.0)		653(7.)
			Sample Size		28	7	97		3
		Total	Average Length	398(16.4)	655(7.3)	413(3.3)	654(4.5)	442(17.8)	641(18.6)
			Sample Size	6	77	143	212	9	9
									1
		Male	Average Length	347(11.6)	641(8.0)	376(7.4)	658(4.9)		658(18.7)
			Sample Size	7	55	53	173		6
		Female	Average Length		654(13.6)	416(15.7)	661(3.8)		659(14.6)
			Sample Size		25	3	144		7
		Total	Average Length	347(11.6)	645(7.0)	378(7.2)	659(3.2)		671(11.8)
			Sample Size	7	80	56	318		13

There was a large variability in sex composition between systems. Of the 6 systems with more than 100 fish sampled, females comprised better than 55% in 2 systems and less than 45% in 3 systems. Possible inaccurate sexing of bright fish and non-random sampling of zero-ocean males, i.e., jacks, might result in a large variability in sex composition.

For a given age, females tended to be larger than males. This was true for fish aged 1.1 in 7 of 10 runs and for fish aged 2.1 in 8 or 9 runs. Fish sampled from the Stikine and Taku Rivers had the smallest mean lengths, however, fishwheels might be selective toward smaller fish. The mean lengths of fish aged 2.1 were larger than fish aged 1.1 in 7 of the 9 runs, indicating a tendency for fish who smolt at an older age to be larger as adults.

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APPENDICES

Appendix Table 1. Sample size needed to describe the age composition of a three-age class population of increasing size with an accuracy of $\pm 5\%$ and a precision of 0.10.

Population Size	Number Needed in Sample 1/
454	227
554	258
654	268
754	288
854	297
954	308
1,054	317
1,154	326
1,254	333
1,354	340
1,454	346
1,554	351
1,654	356
1,754	361
1,854	365
1,954	369
2,054	372
2,454	383
3,454	401
4,454	412
5,454	419
6,454	424
7,454	427
8,454	430
9,454	433
10,454	435
20,454	444
30,454	447
40,454	449
50,454	450
100,454	452
infinite	454

1/ Based on Cochran (1977) using the following formula:

$$n = \frac{no}{1 + \frac{(no-1)}{N}}$$

Where: n = adjusted sample size
 no = 454 (sample size needed for an infinitely large population)
 N = population size

Appendix Table 2. Number and average length (standard error of mean in parentheses) of coho salmon sampled from troll gear by district, week, and age, 1984.

District	Inclusive Dates	Average Length Sampled by Brood Year and Age Class					
		1982		1981		1980	
		1.0	2.0	1.1	2.1	3.1	4.1
101	24 Jun-30 Jun (Stat Wk. 26)	Average Length		592(9.2)	598(8.8)	660(—)	
		Sample Size		42	22	1	
	15 Jul-21 Jul (Stat Wk. 29)	Average Length		564(8.4)	590(8.9)	640(—)	
		Sample Size		68	62	1	
	22 Jul-28 Jul (Stat Wk. 30)	Average Length		581(15.8)	630(9.5)		
		Sample Size		21	10		
	05 Aug-11 Aug (Stat Wk. 32)	Average Length		601(9.6)	632(7.3)	645(—)	
		Sample Size		46	35	1	
101	26 Aug-01 Sep (Stat Wk. 35)	Average Length		638(16.4)	630(9.2)		
		Sample Size		8	5		
	02 Sep-08 Sep (Stat Wk. 36)	Average Length		638(5.4)	643(7.1)		
		Sample Size		63	23		
	09 Sep-15 Sep (Stat Wk. 37)	Average Length		672(3.0)	686(5.5)		
		Sample Size		122	37		
	16 Sep-20 Sep (Stat Wk. 38)	Average Length		673(9.0)	680(7.7)		
		Sample Size		25	10		
Average	24 Jun-20 Sep (Stat Wks. 26-38)	Average Length		626(3.4)	629(4.3)	648(6.0)	
		Sample Size		395	294	3	
102	17 Jun-23 Jun (Stat Wk. 25)	Average Length		545(30.0)	649(23.8)		
		Sample Size		2	6		
	24 Jun-30 Jun (Stat Wk. 26)	Average Length		590(6.4)	603(5.7)	635(—)	
		Sample Size		59	53	1	
	15 Jul-21 Jul (Stat Wk. 29)	Average Length		586(9.2)	608(8.0)	675(—)	
		Sample Size		52	53	1	
	22 Jul-28 Jul (Stat Wk. 30)	Average Length		574(8.3)	593(9.0)	600(—)	
		Sample Size		75	37	1	
102	29 Jul-04 Aug (Stat Wk. 31)	Average Length		568(8.5)	607(9.0)		
		Sample Size		78	41		
	05 Aug-11 Aug (Stat Wk. 32)	Average Length		581(78.7)	637(16.6)		
		Sample Size		4	5		
	17 Jun-04 Aug (Stat Wks. 25-32)	Average Length		579(4.2)	606(3.8)	637(21.7)	
		Sample Size		262	195	3	

-Continued-

Appendix Table 2. Number and average length (standard error of mean in parentheses) of coho salmon sampled from troll gear by district, week, and age, 1984 (continued).

District	Inclusive Dates	Average Length Sampled by Brood Year and Age Class					
		1982		1981		1980	
		1.0	2.0	1.1	2.1	3.1	4.1
103	24 Jun-30 Jun (Stat Wk. 26)	Average Length		631(7.0)	670(---)		
		Sample Size		5	1		
	26 Aug-01 Sep (Stat Wk. 35)	Average Length		627(4.5)	637(4.7)	655(15.0)	
		Sample Size		125	76	2	
	02 Sep-08 Sep (Stat Wk. 36)	Average Length		646(15.9)	636(11.7)		
		Sample Size		25	13		
103 Average	24 Jun-08 Sep (Stat Wks. 26-36)	Average Length		630(4.5)	637(4.3)	655(15.0)	
		Sample Size		155	90	2	
104	17 Jun-23 Jun (Stat Wk. 25)	Average Length		614(22.5)	583(23.2)		
		Sample Size		6	5		
	24 Jun-30 Jun (Stat Wk. 26)	Average Length		524(12.3)	561(18.5)		
		Sample Size		18	8		
	22 Jul-28 Jul (Stat Wk. 30)	Average Length		579(6.4)	598(7.3)		
		Sample Size		58	29		
	29 Jul-04 Aug (Stat Wk. 31)	Average Length		624(4.3)	628(5.4)	665(---)	
		Sample Size		126	54	1	
	05 Aug-11 Aug (Stat Wk. 32)	Average Length		641(3.1)	654(4.4)		
		Sample Size		214	94		
	12 Aug-14 Aug (Stat Wk. 33)	Average Length		623(2.9)	629(3.7)		
		Sample Size		196	128		
	26 Aug-01 Sep (Stat Wk. 35)	Average Length		659(5.1)	670(7.2)		
		Sample Size		42	18		
	02 Sep-08 Sep (Stat Wk. 36)	Average Length		668(4.9)	667(5.7)	635(---)	
		Sample Size		52	40	1	
104 Average	17 Jun-08 Sep (Stat Wks. 25-36)	Average Length		628(1.9)	637(2.4)	650(15.0)	
		Sample Size		712	376	2	
105	05 Aug-11 Aug (Stat Wk. 32)	Average Length		646(5.3)	659(11.4)	680(---)	
		Sample Size		24	8	1	
	12 Aug-14 Aug (Stat Wk. 33)	Average Length		640(4.4)	644(6.1)	619(9.5)	
		Sample Size		63	38	2	
	02 Sep-08 Sep (Stat Wk. 36)	Average Length		644(3.2)	646(4.7)		
		Sample Size		67	35		

-Continued-

Appendix Table 2. Number and average length (standard error of mean in parentheses) of coho salmon sampled from troll gear by district, week, and age, 1984 (continued).

District	Inclusive Dates	Average Length Sampled by Brood Year and Age Class					
		1982		1981		1980	
		1.0	2.0	1.1	2.1	3.1	4.1
105	05 Aug-08 Sep (Stat Wks. 32-36)	Average Length		643(2.4)	646(3.7)	639(21.2)	
Average		Sample Size		154	81	3	
106	29 Jul-04 Aug (Stat Wk. 31)	Average Length		607(9.4)	624(12.4)		
		Sample Size		31	17		
	26 Aug-01 Sep (Stat Wk. 35)	Average Length		656(2.5)	681(15.5)		
		Sample Size		2	3		
	09 Sep-15 Sep (Stat Wk. 37)	Average Length		670(3.9)	669(5.3)	680(---)	
		Sample Size		80	47	1	
	16 Sep-20 Sep (Stat Wk. 38)	Average Length	446(---)	750(5.8)	758(9.2)		
		Sample Size	1	36	21		
106	29 Jul-20 Sep (Stat Wks. 31-38)	Average Length	446(---)	676(5.1)	682(6.5)	680(---)	
Average		Sample Size	1	149	88	1	
109	24 Jun-30 Jun (Stat Wk. 26)	Average Length		591(16.7)	608(16.3)	691(---)	
		Sample Size		14	13	1	
	15 Jul-21 Jul (Stat Wk. 29)	Average Length		688(31.7)	727(15.5)		
		Sample Size		3	2		
	22 Jul-28 Jul (Stat Wk. 30)	Average Length		642(7.1)	645(5.9)	634(---)	
		Sample Size		35	42	1	
	05 Aug-11 Aug (Stat Wk. 32)	Average Length		640(6.6)	650(6.6)	645(---)	
		Sample Size		41	43	1	
	12 Aug-14 Aug (Stat Wk. 33)	Average Length		655(18.2)	648(15.1)		
		Sample Size		13	9		
	26 Aug-01 Sep (Stat Wk. 35)	Average Length		649(6.0)	662(4.0)	681(7.5)	
		Sample Size		44	52	2	
109	24 Jun-01 Sep (Stat Wks. 26-35)	Average Length		641(4.0)	650(3.3)	666(11.5)	
Average		Sample Size		150	161	5	
110	24 Jun-30 Jun (Stat Wk. 26)	Average Length			631(---)		
		Sample Size			1		
	15 Jul-21 Jul (Stat Wk. 29)	Average Length		640(12.5)	635(14.3)		
		Sample Size		10	5		

-Continued-

Appendix Table 2. Number and average length (standard error of mean in parentheses) of coho salmon sampled from troll gear by district, week, and age, 1984 (continued).

District	Inclusive Dates	Average Length Sampled by Brood Year and Age Class					
		1982		1981		1980	
		1.0	2.0	1.1	2.1	3.1	4.1
110	05 Aug-11 Aug (Stat Wk. 32)	Average Length		627(13.8)	646(6.3)	575(15.0)	610(—)
		Sample Size		8	26	2	1
	12 Aug-14 Aug (Stat Wk. 33)	Average Length		673(11.7)	664(11.7)		
		Sample Size		16	8		
	16 Sep-20 Sep (Stat Wk. 38)	Average Length		630(16.2)	658(11.1)		
		Sample Size		4	8		
110	24 Jun-20 Sep (Stat Wks. 26-38)	Average Length		650(7.3)	649(4.6)	575(15.0)	610(—)
Average		Sample Size		38	48	2	1
112	12 Aug-14 Aug (Stat Wk. 33)	Average Length		604(9.9)	632(16.5)		
		Sample Size		18	10		
	09 Sep-15 Sep (Stat Wk. 37)	Average Length		635(15.0)	658(9.4)		
		Sample Size		8	7		
112	12 Aug-15 Sep (Stat Wks. 33-37)	Average Length		614(8.6)	643(10.7)		
Average		Sample Size		26	17		
113	17 Jun-30 Jun (Stat Wk. 25)	Average Length		571(18.1)	574(8.6)		
		Sample Size		9	7		
	24 Jun-30 Jun (Stat Wk. 26)	Average Length		588(5.0)	598(5.2)		
		Sample Size		70	52		
	11 Jul-14 Jul (Stat Wk. 28)	Average Length		602(8.4)	613(7.8)	575(—)	
		Sample Size		23	34	1	
	15 Jul-21 Jul (Stat Wk. 29)	Average Length		623(3.8)	623(4.0)	635(—)	
		Sample Size		93	69	1	
	22 Jul-28 Jul (Stat Wk. 30)	Average Length		629(4.7)	623(4.6)		
		Sample Size		68	69		
	29 Jul-04 Aug (Stat Wk. 31)	Average Length		637(4.5)	650(5.4)	640(5.0)	
		Sample Size		118	78	2	
	05 Aug-11 Aug (Stat Wk. 32)	Average Length		617(6.3)	632(4.7)	623(37.5)	
		Sample Size		34	54	2	
	12 Aug-14 Aug (Stat Wk. 33)	Average Length		650(13.7)	642(1.7)		
		Sample Size		10	3		

-Continued-

Appendix Table 2. Number and average length (standard error of mean in parentheses) of coho salmon sampled from troll gear by district, week, and age, 1984 (continued).

District	Inclusive Dates	Average Length Sampled by Brood Year and Age Class					
		1982		1981		1980	
		1.0	2.0	1.1	2.1	3.1	4.1
113	26 Aug-01 Sep (Stat Wk. 35)	Average Length		666(6.7)	670(5.6)	700(----)	
		Sample Size		55	65	1	
	02 Sep-08 Sep (Stat Wk. 36)	Average Length		646(6.2)	667(5.1)		
		Sample Size		49	42		
	16 Sep-20 Sep (Stat Wk. 38)	Average Length	310(----)	660(15.2)	676(6.8)		
		Sample Size	1	23	29		
113	17 Jun-20 Sep (Stat Wks. 25-38)	Average Length	310(----)	628(2.1)	637(2.1)	634(16.2)	
		Sample Size	1	552	502	7	
114	11 Jul-14 Jul (Stat Wk. 28)	Average Length		616(9.9)	629(8.5)		
		Sample Size		23	36		
	15 Jul-21 Jul (Stat Wk. 29)	Average Length		587(9.8)	621(9.0)		
		Sample Size		29	22		
	22 Jul-28 Jul (Stat Wk. 30)	Average Length		579(24.7)	654(13.4)		
		Sample Size		7	6		
	29 Jul-04 Aug (Stat Wk. 31)	Average Length		610(6.9)	628(7.8)		
		Sample Size		65	56		
	05 Aug-11 Aug (Stat Wk. 32)	Average Length		620(7.4)	651(9.0)		
		Sample Size		65	46		
	12 Aug-14 Aug (Stat Wk. 33)	Average Length		634(7.6)	635(7.3)		
		Sample Size		67	45		
	26 Aug-01 Sep (Stat Wk. 35)	Average Length		648(2.4)	658(2.3)	678(13.6)	
		Sample Size		314	323	3	
	02 Sep-08 Sep (Stat Wk. 36)	Average Length		648(4.0)	659(3.0)	665(----)	
		Sample Size		83	105	1	
	09 Sep-15 Sep (Stat Wk. 37)	Average Length		649(4.6)	662(3.9)		
		Sample Size		75	70		
	16 Sep-20 Sep (Stat Wk. 38)	Average Length		656(3.5)	671(4.0)		
		Sample Size		74	66		
114	11 Jun-20 Sep (Stat Wks. 28-38)	Average Length		635(1.7)	653(1.6)	675(10.2)	
		Sample Size		802	775	4	

-Continued-

Appendix Table 2. Number and average length (standard error of mean in parentheses) of coho salmon sampled from troll gear by district, week, and age, 1984 (continued).

		Average Length Sampled by Brood Year and Age Class									
District	Inclusive Dates	1982		1981		1980		1979		1978	
		1.0	2.0	1.1	2.1	3.1	4.1				
116	22 Jul-28 Jul (Stat Wk. 30)	Average Length Sample Size		606(5.8) 37	622(3.8) 39	578(62.5) 2					
	29 Jul-04 Aug (Stat Wk. 31)	Average Length Sample Size		650(7.0) 41	650(7.3) 41	650(----) 1					
	05 Aug-11 Aug (Stat Wk. 32)	Average Length Sample Size		619(5.3) 44	623(4.6) 36	655(----) 1					
	12 Aug-14 Aug (Stat Wk. 33)	Average Length Sample Size		662(12.2) 17	655(8.3) 16						
	02 Sep-08 Sep (Stat Wk. 36)	Average Length Sample Size		633(13.1) 16	643(9.8) 17						
	09 Sep-15 Sep (Stat Wk. 37)	Average Length Sample Size		670(11.9) 11	676(23.2) 5						
116	22 Jul-15 Sep (Stat Wks. 30-37)	Average Length Sample Size		633(3.6) 166	637(3.1) 154	615(33.5) 4					
154	29 Jul-04 Aug (Stat Wk. 31)	Average Length Sample Size		627(4.3) 16	636(6.8) 18	610(----) 1					
	05 Aug-11 Aug (Stat Wk. 32)	Average Length Sample Size		682(3.6) 22	685(3.9) 27	690(9.4) 4					
	12 Aug-14 Aug (Stat Wk. 33)	Average Length Sample Size		645(7.3) 69	660(7.1) 55						
154	29 Jul-14 Aug (Stat Wks. 31-33)	Average Length Sample Size		650(5.1) 107	663(4.5) 100	674(17.6) 5					
181	12 Aug-14 Aug (Stat Wk. 33)	Average Length Sample Size		603(8.6) 27	624(5.7) 44	625(2.2) 5					
	02 Sep-08 Sep (Stat Wk. 36)	Average Length Sample Size		669(4.9) 24	656(10.2) 10						
	09 Sep-15 Sep (Stat Wk. 37)	Average Length Sample Size		617(18.5) 15	661(9.2) 17						
	16 Sep-20 Sep (Stat Wk. 38)	Average Length Sample Size		641(14.7) 15	665(10.7) 12						

-Continued-

Appendix Table 2. Number and average length (standard error of mean in parentheses) of coho salmon sampled from troll gear by district, week, and age, 1984 (continued).

District	Inclusive Dates	Average Length Sampled by Brood Year and Age Class					
		1982		1981		1980	
		1.0	2.0	1.1	2.1	3.1	4.1
181 Average	12 Aug-20 Sep (Stat Wks. 33-38)	Average Length Sample Size		632(6.1) 81	641(4.5) 83	625(2.2) 5	
189 Average	15 Jul-21 Jul (Stat Wk. 29)	Average Length Sample Size		576(8.2) 39	590(8.2) 28		
Northern Outside Districts 1/	24 Jun-30 Jun (Stat Wk. 26)	Average Length Sample Size		600(8.0) 36	563(11.1) 29	627(9.3) 3	
	11 Jul-14 Jul (Stat Wk. 28)	Average Length Sample Size		606(10.0) 23	634(14.5) 15		
	22 Jul-28 Jul (Stat Wk. 30)	Average Length Sample Size		645(6.8) 22	653(4.6) 32	685(---) 1	
	02 Sep-08 Sep (Stat Wk. 36)	Average Length Sample Size		668(4.3) 70	669(4.9) 57		
	09 Sep-15 Sep (Stat Wk. 37)	Average Length Sample Size		673(3.4) 90	680(4.0) 72	675(---) 1	
Northern Outside Average	26 Jun-15 Sep (Stat Wks. 26-37)	Average Length Sample Size		647(3.3) 253	650(3.9) 215	648(14.1) 5	
Southern Outside Districts 2/	11 Jul-14 Jul (Stat Wk. 28)	Average Length Sample Size		607(4.3) 5	636(---) 1		
	15 Jul-21 Jul (Stat Wk. 29)	Average Length Sample Size		592(4.3) 109	597(8.5) 30	632(---) 1	
	22 Jul-28 Jul (Stat Wk. 30)	Average Length Sample Size		669(28.7) 10	680(8.4) 8		
	29 Jul-04 Aug (Stat Wk. 31)	Average Length Sample Size		626(9.1) 47	632(12.3) 19		
	05 Aug-11 Aug (Stat Wk. 32)	Average Length Sample Size		620(5.4) 54	643(6.6) 35		
Southern Outside Average	15 JUL-11 Aug (Stat Wks. 29-32)	Average Length Sample Size		610(3.6) 225	629(5.2) 93	632(---) 1	

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Appendix Table 2. Number and average length (standard error of mean in parentheses) of coho salmon sampled from troll gear by district, week, and age, 1984 (continued).

District	Inclusive Dates	Average Length Sampled by Brood Year and Age Class					
		1982		1981		1980	
		1.0	2.0	1.1	2.1	3.1	4.1
Southern Inside Districts 3/	24 Jun-30 Jun (Stat Wk. 26)	Average Length		603(6.0)	590(---)		
		Sample Size		3	1		
	15 Jul-21 Jul (Stat Wk. 29)	Average Length		571(11.9)	571(15.4)	500(---)	
		Sample Size		13	20	1	
	29 Jul-04 Aug (Stat Wk. 31)	Average Length		599(9.4)	610(15.2)		
		Sample Size		42	22		
	26 Aug-01 Sep (Stat Wk. 35)	Average Length		654(4.9)	668(8.4)		
		Sample Size		67	16		
	09 Sep-15 Sep (Stat Wk. 37)	Average Length		626(5.6)	657(11.7)		
		Sample Size		20	3		
Southern Inside Average		Average Length		626(4.5)	614(9.0)	500(---)	
		Sample Size		145	62	1	

1/ Includes samples from a combination of Districts 113, 114, 116, 154, 157, 181 and 189.

2/ Includes samples from a combination of Districts 103, 104 and 152.

3/ Includes samples from a combination of Districts 101, 102, 105, 106, 107 and 108.

Appendix Table 3. Number and average length (standard of mean in parentheses) of coho salmon sampled from purse seine gear by district, week, sex, and age, 1984.

District	Inclusive Dates	Sex	Average Length Sampled by Brood Year and Age Class						
			1982		1981		1980		1979
			0.1	2.0	1.1	3.0	2.1	3.1	4.1
101	29 Jul-04 Aug (Stat Wk. 31)	Male	Average Length		529(12.9)				
			Sample Size		4				
		Female	Average Length		482(16.3)		569(34.4)		
			Sample Size		6		3		
		Total	Average Length		501(13.0)		569(34.8)		
			Sample Size		10		3		
		Male	Average Length		565(27.3)		578(25.4)		
			Sample Size		6		10		
		Female	Average Length		558(15.6)		616(14.3)		
			Sample Size		8		5		
		Total	Average Length		560(13.0)		593(11.5)		
			Sample Size		28		33		
12 Aug-18 Aug (Stat Wk. 33)	12 Aug-18 Aug (Stat Wk. 33)	Male	Average Length		609(5.2)		618(18.5)		
			Sample Size		5		7		
		Female	Average Length		526(25.3)		570(47.0)		
			Sample Size		9		5		
		Total	Average Length		579(15.6)		593(22.0)		
			Sample Size		24		12		
		Male	Average Length		609(12.2)		652(9.4)		
			Sample Size		13		9		
		Female	Average Length		541(43.8)		516(52.2)		
			Sample Size		6		4		
		Total	Average Length		587(17.1)		610(24.1)		
			Sample Size		19		13		
26 Aug-01 Sep (Stat Wk. 35)	26 Aug-01 Sep (Stat Wk. 35)	Male	Average Length		629(6.6)		643(9.1)		
			Sample Size		66		27		
		Female	Average Length		621(7.9)		643(11.7)		
			Sample Size		55		16		
		Total	Average Length		625(5.1)		640(7.1)		
			Sample Size		121		43		

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Appendix Table 3. Number and average length (standard of mean in parentheses) of coho salmon sampled from purse seine gear by district, week, sex, and age, 1984 (continued).

District	Inclusive Dates	Sex	Average Length Sampled by Brood Year and Age Class					
			1982		1981		1980	
			0.1	2.0	1.1	3.0	2.1	3.1
101	09 Sep-15 Sep (Stat Wk. 37)	Male	Average Length		695(15.2)		643(21.0)	
			Sample Size		11		4	
		Female	Average Length		658(6.0)		669(14.5)	
			Sample Size		13		4	
		Total	Average Length		675(8.5)		656(12.8)	
			Sample Size		24		8	
101	29 Jul-15 Sep (Stat Wks. 31-37)	Male	Average Length		624(5.7)		626(7.5)	
			Sample Size		115		60	
		Female	Average Length		598(7.7)		612(12.8)	
			Sample Size		97		34	
		Total	Average Length		609(4.7)		617(6.1)	
			Sample Size		226		112	
102	22 Jul-28 Jul (Stat Wk. 38)	Male	Average Length		568(22.1)		541(27.7)	
			Sample Size		13		7	
		Female	Average Length		548(18.8)		571(30.3)	468(40.0)
			Sample Size		15		8	2
		Total	Average Length		557(13.8)		557(20.3)	468(40.0)
			Sample Size		34		15	2
05 Aug-11 Aug (Stat Wk. 32)		Male	Average Length					
			Sample Size					
		Female	Average Length					
			Sample Size					
		Total	Average Length	365(---)	380(---)	621(11.0)		611(28.9)
			Sample Size	1	1	22		12
19 Aug-25 Aug (Stat Wk. 34)		Male	Average Length					
			Sample Size					
		Female	Average Length					
			Sample Size					
		Total	Average Length			661(19.6)		650(23.6)
			Sample Size			7		3

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Appendix Table 3. Number and average length (standard of mean in parentheses) of coho salmon sampled from purse seine gear by district, week, sex, and age, 1984 (continued).

District	Inclusive Dates	Sex	Average Length Sampled by Brood Year and Age Class					
			1982		1981		1980	
			0.1	2.0	1.1	3.0	2.1	3.1
102	22 Jul-25 Aug	Male	Average Length		568(22.1)		541(27.7)	
Average	(Stat Wks. 30-34)		Sample Size		13		7	
		Female	Average Length		548(18.8)		571(30.3)	460(40.0)
			Sample Size		49		8	2
		Total	Average Length	365(---)	380(---)	591(9.9)	588(16.4)	460(40.0)
			Sample Size	1	1	63	30	2
103	19 Aug-25 Aug	Male	Average Length		616(9.4)		638(23.2)	
	(Stat Wk. 34)		Sample Size		11		4	
		Female	Average Length		605(11.0)		629(8.6)	
			Sample Size		13		7	
		Total	Average Length		610(7.3)		632(9.5)	
			Sample Size		24		11	
	26 Aug-01 Sep	Male	Average Length		601(23.1)		635(11.6)	
	(Stat Wk. 35)		Sample Size		9		7	
		Female	Average Length		612(11.9)		634(13.8)	
			Sample Size		10		6	
		Total	Average Length		607(12.3)		635(8.5)	
			Sample Size		19		13	
103	19 Aug-01 Sep	Male	Average Length		610(11.4)		636(10.5)	
Average	(Stat Wks. 34-35)		Sample Size		20		11	
		Female	Average Length		608(7.9)		631(7.6)	
			Sample Size		23		13	
		Total	Average Length		609(6.7)		633(6.2)	
			Sample Size		43		24	
104	01 Jul-07 Jul	Male	Average Length			603(13.0)	525(---)	
	(Stat Wk. 27)		Sample Size			2	1	
		Female	Average Length		559(21.0)		485(29.5)	
			Sample Size		6		3	
		Total	Average Length		559(21.0)		532(33.4)	525(---)
			Sample Size		6		5	1

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Appendix Table 3. Number and average length (standard of mean in parentheses) of coho salmon sampled from purse seine gear by district, week, sex, and age, 1984 (continued).

District	Inclusive Dates	Sex	Average Length Sampled by Brood Year and Age Class					
			1982		1981		1980	
			0.1	2.0	1.1	3.0	2.1	3.1
104	15 Jul-21 Jul (Stat Wk. 29)	Male	Average Length		585(39.1)		580(37.9)	
			Sample Size		3		3	
		Female	Average Length		564(38.4)		509(9.8)	573(---)
	29 Jul-04 Aug (Stat Wk. 31)		Sample Size		4		2	1
		Total	Average Length		573(22.4)		551(27.2)	573(---)
			Sample Size		7		5	1
	05 Aug-11 Aug (Stat Wk. 32)	Male	Average Length		609(15.5)		614(15.8)	
			Sample Size		19		15	
		Female	Average Length		597(18.5)		633(15.9)	630(---)
	12 Aug-18 Aug (Stat Wk. 33)		Sample Size		11		8	1
		Total	Average Length		611(10.7)		631(11.4)	630(---)
			Sample Size		35		28	1
05	05 Aug-11 Aug (Stat Wk. 32)	Male	Average Length		608(8.8)		611(10.6)	570(---)
			Sample Size		24		23	1
		Female	Average Length		607(13.2)		609(14.0)	620(---)
	12 Aug-18 Aug (Stat Wk. 33)		Sample Size		14		19	1
		Total	Average Length		608(7.3)		610(8.5)	595(25.0)
			Sample Size		38		42	2
	19 Aug-25 Aug (Stat Wk. 34)	Male	Average Length		617(14.3)		643(18.3)	699(29.0)
			Sample Size		13		8	2
		Female	Average Length		632(10.6)		618(26.6)	
	Total		Sample Size		13		6	
		Total	Average Length		625(8.9)		633(15.2)	699(29.0)
			Sample Size		26		14	2
19	19 Aug-25 Aug (Stat Wk. 34)	Male	Average Length		651(6.7)		629(11.8)	
			Sample Size		16		13	
		Female	Average Length		628(8.7)		643(8.3)	
	Total		Sample Size		20		15	
		Total	Average Length		638(6.0)		636(7.1)	
			Sample Size		36		28	

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Appendix Table 3. Number and average length (standard of mean in parentheses) of coho salmon sampled from purse seine gear by district, week, sex, and age, 1984 (continued).

District	Inclusive Dates	Sex	Average Length Sampled by Brood Year and Age Class						
			1982		1981		1980		1979
			0.1	2.0	1.1	3.0	2.1	3.1	4.1
104 Average	01 Jul-25 Aug (Stat Wks. 27-34)	Male	Average Length		618(6.0)		617(6.5)	623(46.2)	
			Sample Size		75		64	4	
		Female	Average Length		609(6.3)		613(8.7)	597(23.5)	630(---)
			Sample Size		68		53	2	1
		Total	Average Length		615(4.3)		618(5.3)	614(30.4)	630(---)
			Sample Size		148		122	6	1
105	12 Aug-18 Aug (Stat Wk. 33)	Male	Average Length		536(30.9)				
			Sample Size		6				
		Female	Average Length		600(32.4)				
			Sample Size		3				
		Total	Average Length		557(24.5)				
			Sample Size		9				
105	19 Jul-25 Jul (Stat Wk. 34)	Male	Average Length		532(26.8)		625(27.5)		
			Sample Size		3		5		
		Female	Average Length		555(30.3)		597(32.5)		
			Sample Size		5		3		
		Total	Average Length		546(20.6)		614(20.2)		
			Sample Size		8		8		
105	26 Aug-01 Sep (Stat Wk. 35)	Male	Average Length		599(22.2)		690(---)		
			Sample Size		7		1		
		Female	Average Length				673(27.5)		
			Sample Size				2		
		Total	Average Length		599(22.2)		678(16.9)		
			Sample Size		7		3		
105 Average	12 Aug-01 Sep (Stat Wks. 33-35)	Male	Average Length		563(17.1)		636(24.9)		
			Sample Size		16		6		
		Female	Average Length		572(22.5)		627(27.1)		
			Sample Size		8		5		
		Total	Average Length		566(13.4)		632(17.5)		
			Sample Size		24		11		

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Appendix Table 3. Number and average length (standard of mean in parentheses) of coho salmon sampled from purse seine gear by district, week, sex, and age, 1984 (continued).

District	Inclusive Dates	Sex	Average Length Sampled by Brood Year and Age Class					
			1982		1981		1980	
			0.1	2.0	1.1	3.0	2.1	3.1
109	05 Aug-11 Aug (Stat Wk. 32)	Male	Average Length		583(10.2)		618(9.7)	648(11.6)
			Sample Size		33		21	3
		Female	Average Length	315(25.0)	578(10.6)		594(11.7)	578(30.0)
	12 Aug-18 Aug (Stat Wk. 33)		Sample Size	2	33		26	2
		Total	Average Length	315(25.0)	588(7.3)		605(7.9)	617(22.3)
			Sample Size	2	66		47	5
	23 Sep-29 Sep (Stat Wk. 39)	Male	Average Length		603(13.4)		659(32.5)	705(---)
			Sample Size		17		8	1
		Female	Average Length		590(18.6)		623((66.7)	
			Sample Size		4		5	
		Total	Average Length		600(11.3)		645(31.2)	705(---)
			Sample Size		21		13	1
Average	05 Aug-29 Sep (Stat Wks. 32-39)	Male	Average Length		637(21.9)		630(70.0)	
			Sample Size		3		2	
		Female	Average Length					
	Total		Sample Size					
		Total	Average Length		637(21.9)		630(70.0)	
			Sample Size		3		2	
	109	Male	Average Length		592(7.9)		629(11.3)	663(16.4)
			Sample Size		53		31	4
		Female	Average Length	315(25.0)	579(9.6)		599(14.8)	578(30.0)
	Total		Sample Size	2	37		31	2
		Total	Average Length	315(25.0)	587(6.1)		614(9.1)	632(23.4)
			Sample Size	2	90		62	6
112	22 Jul-28 Jul (Stat Wk. 30)	Male	Average Length		608(23.3)		606(15.2)	674(---)
			Sample Size		4		11	1
		Female	Average Length		615(21.2)		597(32.4)	
	Total		Sample Size		7		5	
		Total	Average Length		612(15.2)		603(13.9)	674(---)
			Sample Size		11		16	1

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Appendix Table 3. Number and average length (standard of mean in parentheses) of coho salmon sampled from purse seine gear by district, week, sex, and age, 1984 (continued).

District	Inclusive Dates	Sex	Average Length Sampled by Brood Year and Age Class					
			1982		1981		1980	
			0.1	2.0	1.1	3.0	2.1	3.1
112	05 Aug-11 Aug (Stat Wk. 32)	Male	Average Length Sample Size					
		Female	Average Length Sample Size					
		Total	Average Length Sample Size		608(33.1) 4		586(22.6) 4	
	12 Aug-18 Aug (Stat Wk. 33)	Male	Average Length Sample Size					
		Female	Average Length Sample Size					
		Total	Average Length Sample Size		629(8.0) 54		640(10.1) 41	
112	22 Jul-18 Aug Average (Stat Wks. 30-33)	Male	Average Length Sample Size		608(23.3) 4		606(15.2) 11	674(---) 1
		Female	Average Length Sample Size		615(21.2) 7		597(32.4) 5	
		Total	Average Length Sample Size		619(5.9) 99		621(6.4) 90	674(---) 1
113	29 Jul-04 Aug (Stat Wk. 31)	Male	Average Length Sample Size				635(25.0) 2	
		Female	Average Length Sample Size		628(4.4) 3		600(30.0) 2	
		Total	Average Length Sample Size		628(4.4) 3		618(18.9) 4	
	12 Aug-18 Aug (Stat Wk. 33)	Male	Average Length Sample Size		612(15.4) 19		603(18.0) 14	
		Female	Average Length Sample Size		592(23.1) 7		613(26.8) 3	638(---) 1
		Total	Average Length Sample Size		60712.7) 26		605(15.3) 17	638(---) 1

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Appendix Table 3. Number and average length (standard of mean in parentheses) of coho salmon sampled from purse seine gear by district, week, sex, and age, 1984 (continued).

District	Inclusive Dates	Sex	Average Length Sampled by Brood Year and Age Class					
			1982		1981		1980	
			0.1	2.0	1.1	3.0	2.1	3.1
113	29 Jul-18 Aug	Male	Average Length		612(15.4)		607(16.1)	
Average	(Stat Wks. 31-33)		Sample Size		19		16	
		Female	Average Length		603(16.8)		608(17.8)	638(—)
			Sample Size		10		5	1
		Total	Average Length		609(11.5)		607(12.8)	638(—)
			Sample Size		29		21	1
114	08 Jul-14 Jul	Male	Average Length					
	(Stat Wk. 28)		Sample Size					
		Female	Average Length					
			Sample Size					
		Total	Average Length		600(19.6)		643(12.5)	
			Sample Size		6		2	
15 Jul-21 Jul	Male	Average Length						
(Stat Wk. 29)		Sample Size						
		Female	Average Length					
			Sample Size					
		Total	Average Length		607(7.8)		601(9.2)	
			Sample Size		29		25	
26 Aug-01 Sep	Male	Average Length			586(19.4)		639(12.9)	
(Stat Wk. 35)		Sample Size			13		14	
		Female	Average Length		310(2.9)	594(12.2)	295(—)	612(12.7)
			Sample Size		3	23	1	14
		Total	Average Length		310(2.9)	591(10.3)	295(—)	625(9.3)
			Sample Size		3	36	1	28
								685(—)
114	08 Jul-01 Sep	Male	Average Length		586(19.4)		639(12.9)	
Average	(Stat Wks. 28-35)		Sample Size		13		14	
		Female	Average Length		310(2.9)	594(12.2)	295(—)	612(12.7)
			Sample Size		3	23	1	14
		Total	Average Length		310(2.9)	599(6.3)	295(—)	615(6.5)
			Sample Size		3	71	1	55
								685(—)

Appendix Table 4. Number and average length (standard error of mean in parentheses) of coho salmon sampled from gillnet gear by district, week, sex, and age, 1984.

District	Inclusive Dates	Sex	Average Length Sampled by Brood Year and Age Class			
			1982	1981	1980	1979
			0.1	1.1	1.2	2.1
101	17 Jun-23 Jun (Stat Wk. 25)	Male	Average Length			
			Sample Size			
		Female	Average Length			
	24 Jun-30 Jun (Stat Wk. 26)		Sample Size			
		Male	Average Length	604(22.8)	618(—)	
			Sample Size	3	1	
	01 Jul-07 Jul (Stat Wk. 27)	Female	Average Length			
			Sample Size			
		Total	Average Length	588(8.0)	605(13.0)	
	08 Jul-14 Jul (Stat Wk. 28)		Sample Size	21	11	
		Male	Average Length			
			Sample Size			
	15 Jul-21 Jul (Stat Wk. 29)	Female	Average Length			
			Sample Size			
		Total	Average Length	589(7.8)	596(13.7)	
			Sample Size	21	12	
		Male	Average Length			
			Sample Size			
		Female	Average Length			
			Sample Size			
		Total	Average Length	565(45.0)	610(20.0)	
			Sample Size	2	3	
		Male	Average Length			
			Sample Size			
		Female	Average Length			
			Sample Size			
		Total	Average Length	626(12.4)	595(13.3)	650(—)
			Sample Size	7	13	1

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Appendix Table 4. Number and average length (standard error of mean in parentheses) of coho salmon sampled from gillnet gear by district, week, sex, and age, 1984 (continued).

District	Inclusive Dates	Sex	Average Length Sampled by Brood Year and Age Class				
			1982		1981		1980
			0.1	1.1	1.2	3.1	3.1
101	16 Sep-22 Sep (Stat Wk. 38)	Male	Average Length	659(9.1)		692(10.3)	
			Sample Size	12		9	
		Female	Average Length	648(7.2)		687(22.4)	
			Sample Size	6		3	
		Total	Average Length	656(6.5)		683(9.0)	
			Sample Size	18		12	
Average	17 Jun-22 Sep (Stat Wks. 25-38)	Male	Average Length	606(6.1)		618(5.2)	
			Sample Size	79		73	
		Female	Average Length	500(—)	590(6.4)	595(7.9)	608(7.5)
			Sample Size	1	63	51	2
		Total	Average Length	500(—)	595(3.5)	606(3.7)	622(14.8)
			Sample Size	1	223	187	3
102	16 Sep-22 Sep (Stat Wk. 38)	Male	Average Length	616(16.2)		701(12.6)	
			Sample Size	10		5	
		Female	Average Length	629(17.2)		673(62.5)	
			Sample Size	11		2	
		Total	Average Length	623(11.6)		694(15.7)	
			Sample Size	21		8	
106	17 Jun-23 Jun (Stat Wk. 25)	Male	Average Length	602(2.2)		604(15.2)	
			Sample Size	5		7	
		Female	Average Length	561(11.1)		599(12.4)	
			Sample Size	9		10	
		Total	Average Length	575(8.9)		601(9.3)	
			Sample Size	14		17	
24 Jun-30 Jun (Stat Wk 26)		Male	Average Length	576(12.8)		578(13.4)	
			Sample Size	12		10	
		Female	Average Length	564(11.6)		580(7.9)	585(5.0)
			Sample Size	20		29	2
		Total	Average Length	569(8.7)		580(6.7)	585(5.0)
			Sample Size	32		39	2

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Appendix Table 4. Number and average length (standard error of mean in parentheses) of coho salmon sampled from gillnet gear by district, week, sex, and age class, 1984 (continued).

District	Inclusive Dates	Sex	Average Length Sampled by Brood Year and Age Class					
			1982		1981		1980	
			0.1	1.1	1.2	2.1	3.1	
106	08 Jul-14 Jul (Stat Wk. 28)	Male	Average Length	573(7.9)		612(12.9)		
			Sample Size	21		26		
		Female	Average Length	562(9.5)		577(14.1)		
	15 Jul-21 Jul (Stat Wk. 29)		Sample Size	23		9		
		Total	Average Length	567(6.2)		603(10.5)		
			Sample Size	44		35		
	22 Jul-28 Jul (Stat Wk. 30)	Male	Average Length	589(7.7)		599(10.4)		
			Sample Size	35		32		
		Female	Average Length	558(8.8)		590(8.8)	501(14.5)	
			Sample Size	39		28	2	
		Total	Average Length	573(6.1)		595(6.9)	501(14.5)	
			Sample Size	74		60	2	
29 Jul-04 Aug (Stat Wk. 31)	Male	Average Length	645(12.1)		605(13.2)	545(---)		
			Sample Size	5		16	1	
		Female	Average Length	591(24.0)		611(8.5)	601(34.5)	
	Total		Sample Size	6		20	2	
		Average Length	615(16.0)		609(7.4)	582(27.2)		
			Sample Size	11		36	3	
	Female	Average Length	622(13.3)		637(8.3)	648(37.5)		
			Sample Size	24		50	5	
		Total	Average Length	604(17.8)		631(9.5)	620(---)	
			Sample Size	14		21	1	
		Total	Average Length	615(10.6)		635(6.4)	644(31.0)	
			Sample Size	38		71	6	
05 Aug-11 Aug (Stat Wk. 32)	Male	Average Length	600(16.7)		617(8.7)			
			Sample Size	13		30		
		Female	Average Length	564(28.0)		580(21.8)	640(40.0)	
	Total		Sample Size	8		12	2	
		Average Length	587((14.9)		607(9.0)	640(40.0)		
			Sample Size	21		42	2	

-Continued-

Appendix Table 4. Number and average length (standard error of mean in parentheses) of coho salmon sampled from gillnet gear by district, week, sex, and age, 1984 (continued).

District	Inclusive Dates	Sex	Average Length Sampled by Brood Year and Age Class				
			1982		1981		1980
			0.1	1.1	1.2	2.1	3.1
106	12 Aug-18 Aug (Stat Wk. 33)	Male	Average Length	639(5.8)		628(6.4)	591(11.0)
			Sample Size	54		39	2
		Female	Average Length	623(15.3)		630(10.2)	648(7.5)
	19 Aug-25 Aug (Stat Wk. 34)		Sample Size	11		13	2
		Total	Average Length	636(5.5)		629(5.4)	619(17.2)
			Sample Size	65		52	4
	26 Aug-01 Sep (Stat Wk. 35)	Male	Average Length	654(7.6)		658(10.8)	
			Sample Size	50		35	
		Female	Average Length	627(13.0)		642(12.1)	
	09 Sep-15 Sep (Stat Wk. 37)		Sample Size	11		14	
		Total	Average Length	650(6.8)		653(8.5)	
			Sample Size	61		49	
16 Sep-22 Sep (Stat Wk. 38)	Male	Average Length	660(9.2)		645(9.0)		
			Sample Size	20		20	
		Female	Average Length	630(7.4)		649(6.3)	
	Female		Sample Size	17		20	
		Total	Average Length	656(6.0)		647(5.4)	
			Sample Size	37		40	
	Male	Average Length	644(4.6)		662(7.3)		
			Sample Size	50		13	
		Female	Average Length	624(8.3)		675(---)	
	Female		Sample Size	4		1	
		Total	Average Length	643(4.3)		663(6.8)	
			Sample Size	54		14	
	Male	Average Length	678(32.6)		685(2.6)	568(---)	
			Sample Size	4		6	1
		Female	Average Length	607(83.5)		654(20.0)	
	Female		Sample Size	2		2	
		Total	Average Length	654(33.4)		677(6.6)	568(---)
			Sample Size	6		8	1

-Continued-

Appendix Table 4. Number and average length (standard error of mean in parentheses) of coho salmon sampled from gillnet gear by district, week, sex, and age, 1984 (continued).

District	Inclusive Dates	Sex	Average Length Sampled by Brood Year and Age Class					
			1982		1981		1980	
			0.1	1.1	1.2	2.1	3.1	
106	17 Jun-22 Sep (Stat Wks. 25-38)	Male	Average Length	628(3.1)		628(3.4)	615(24.2)	
			Sample Size	293		284	9	
		Female	Average Length	586(4.7)		610(3.8)	597(17.7)	
			Sample Size	163		179	11	
		Total	Average Length	613(2.8)		621(2.6)	605(14.3)	
			Sample Size	456		463	20	
	29 Jul-04 Aug (Stat Wk. 31)	Male	Average Length	552(13.1)		604(13.6)		
			Sample Size	23		27		
		Female	Average Length	564(25.2)		560(22.1)		
			Sample Size	9		4		
		Total	Average Length	556(11.6)		598(12.4)		
			Sample Size	32		31		
12 Aug-18 Aug (Stat Wk. 33)	Male		Average Length	636(31.0)		540(45.0)		
			Sample Size	3		2		
		Female	Average Length	637(17.0)				
			Sample Size	2				
		Total	Average Length	636(17.8)		540(45.0)		
			Sample Size	5		2		
		Male	Average Length	562(13.1)		599(13.2)		
			Sample Size	26		29		
		Female	Average Length	578(22.4)		560(22.1)		
			Sample Size	11		4		
		Total	Average Length	567(11.2)		595(12.0)		
			Sample Size	37		33		
111	24 Jun-30 Jun (Stat Wk 26)	Male	Average Length			612(29.5)		
			Sample Size			2		
		Female	Average Length			598(43.0)		
			Sample Size			2		
		Total	Average Length			605(21.6)		
			Sample Size			4		

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Appendix Table 4. Number and average length (standard error of mean in parentheses) of coho salmon sampled from gillnet gear by district, week, sex, and age, 1984 (continued).

District	Inclusive Dates	Sex	Average Length Sampled by Brood Year and Age Class			
			1982		1981	
			0.1	1.1	1.2	2.1
III	01 Jul-07 Jul (Stat Wk. 27)	Male	Average Length			
			Sample Size			
		Female	Average Length			
	29 Jul-04 Aug (Stat Wk. 31)		Sample Size			
		Male	Average Length			614(17.1)
			Sample Size	9		13
	05 Aug-11 Aug (Stat Wk. 32)	Female	Average Length			
			Sample Size			
		Total	Average Length	546(28.3)		
			Sample Size	9		
	19 Aug-25 Aug (Stat Wk. 34)	Male	Average Length			585(—)
			Sample Size			1
		Female	Average Length			
	26 Aug-01 Sep (Stat Wk. 35)		Sample Size			
		Male	Average Length	546(13.3)		576(14.4)
			Sample Size	11		14
	19 Aug-25 Aug (Stat Wk. 34)	Female	Average Length			565(22.4)
			Sample Size	4		9
		Total	Average Length	546(45.1)		
	05 Aug-11 Aug (Stat Wk. 32)		Sample Size	4		
		Male	Average Length	574(15.1)		572(12.2)
			Sample Size	15		23
	19 Aug-25 Aug (Stat Wk. 34)	Male	Average Length			609(10.4)
			Sample Size			52
		Female	Average Length	609(10.4)		620(8.5)
	26 Aug-01 Sep (Stat Wk. 35)		Sample Size	52		57
		Female	Average Length			594(18.5)
			Sample Size			17
	19 Aug-25 Aug (Stat Wk. 34)	Total	Average Length	594(18.5)		
			Sample Size	17		20
		Male	Average Length	601(7.5)		608(6.8)
	05 Aug-11 Aug (Stat Wk. 32)		Sample Size	90		111
		Female	Average Length	601(7.5)		
			Sample Size	90		
	19 Aug-25 Aug (Stat Wk. 34)	Total	Average Length	646(5.8)		650(7.7)
			Sample Size	71		56
		Male	Average Length	646(5.8)		
	26 Aug-01 Sep (Stat Wk. 35)		Sample Size	71		
		Female	Average Length	653(8.3)	575(—)	635(8.1)
			Sample Size	40	1	38
	19 Aug-25 Aug (Stat Wk. 34)	Total	Average Length	653(8.3)	575(—)	673(2.5)
			Sample Size	40	1	2
		Male	Average Length	642(4.8)	575(—)	644(5.7)
	05 Aug-11 Aug (Stat Wk. 32)		Sample Size	111	1	94
		Female	Average Length	642(4.8)	575(—)	673(2.5)
			Sample Size	111	1	2

-Continued-

Appendix Table 4. Number and average length (standard error of mean in parentheses) of coho salmon sampled from gillnet gear by district, week, sex, and age, 1984 (continued).

District	Inclusive Dates	Sex	Average Length Sampled by Brood Year and Age Class					
			1982		1981		1980	
			0.1	1.1	1.2	2.1	3.1	
111	09 Sep-15 Sep (Stat Wk. 37)	Male	Average Length	650(10.7)		669(8.5)		
			Sample Size	30		14		
		Female	Average Length	643(13.3)		666(7.3)		
			Sample Size	14		18		
		Total	Average Length	648(8.4)		668(5.4)		
			Sample Size	44		32		
	16 Sep-22 Sep (Stat Wk. 38)	Male	Average Length	668(14.0)		668(32.5)		
			Sample Size	5		2		
		Female	Average Length	665(17.9)		689(7.5)		
			Sample Size	7		4		
		Total	Average Length	666(11.5)		682(10.6)		
			Sample Size	12		6		
111	Average (Stat Wks. 26-38)	Male	Average Length	632(4.8)		632(5.2)		
			Sample Size	169		146		
		Female	Average Length	620(7.1)	575(—)	627(6.8)	673(2.5)	
			Sample Size	82	1	91	2	
		Total	Average Length	642(3.9)	575(—)	625(3.9)	673(2.5)	
			Sample Size	281	1	284	2	
		Male	Average Length					
			Sample Size					
		Female	Average Length					
			Sample Size					
115	15 Jul-21 Jul (Stat Wk. 29)	Male	Average Length	572(21.7)		525(15.0)		
			Sample Size	3		2		
		Female	Average Length					
			Sample Size					
		Total	Average Length					
			Sample Size					
		Male	Average Length	608(47.5)		617(21.9)		
			Sample Size	2		3		
		Female	Average Length	590(20.0)		614(11.3)		
			Sample Size	2		6		
		Total	Average Length	612(10.2)		627(9.0)		
			Sample Size	13		13		

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Appendix Table 4. Number and average length (standard error of mean in parentheses) of coho salmon sampled from gillnet gear by district, week, sex, and age, 1984 (continued).

District	Inclusive Dates	Sex	Average Length Sampled by Brood Year and Age Class				
			1982		1981		1979
			0.1	1.1	1.2	2.1	3.1
115	05 Aug-11 Aug (Stat Wk. 32)	Male	Average Length	538(26.3)		541(15.5)	505(—)
			Sample Size	10		11	1
		Female	Average Length	615(—)			
			Sample Size	1			
	12 Aug-18 Aug (Stat Wk. 33)	Total	Average Length	544(14.0)		570(13.3)	505(—)
			Sample Size	27		25	1
		Male	Average Length	571(28.4)		532(15.7)	
			Sample Size	7		6	
	19 Aug-25 Aug (Stat Wk. 34)	Female	Average Length			525(—)	
			Sample Size	1			
		Total	Average Length	554(19.8)		556(14.3)	
			Sample Size	11		12	
26 Aug-01 Sep (Stat Wk. 35)	Male	Average Length	626(11.3)		635(10.7)		
			Sample Size	27		32	
		Female	Average Length	620(22.4)		648(19.5)	555(—)
			Sample Size	3		7	1
		Total	Average Length	613(6.6)		630(5.7)	555(—)
			Sample Size	83		109	1
		Male	Average Length				
			Sample Size				
		Female	Average Length				
			Sample Size				
02 Sep-08 Sep (Stat Wk. 36)	Male	Average Length	632(9.5)		663(9.4)	650(—)	
			Sample Size	30		27	1
		Female	Average Length	628(7.2)		652(7.1)	
			Sample Size	34		36	
		Total	Average Length	630(—)			
			Sample Size	1			
		Male	Average Length	628(7.0)		652(7.1)	
			Sample Size	35		36	

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Appendix Table 4. Number and average length (standard error of mean in parentheses) of coho salmon sampled from gillnet gear by district, week, sex, and age, 1984 (continued).

District	Inclusive Dates	Sex	Average Length Sampled by Brood Year and Age Class			
			1982		1981	
			0.1	1.1	1.2	2.1
115	09 Sep-15 Sep (Stat Wk. 37)	Male	Average Length			
			Sample Size			
		Female	Average Length			
			Sample Size			
	16 Sep-22 Sep (Stat Wk. 38)	Total	Average Length	661(12.9)		690(6.8)
			Sample Size	11		31
		Male	Average Length	663(6.8)		674(6.3)
			Sample Size	36		45
		Female	Average Length	664(5.3)		677(6.5)
			Sample Size	36		27
	23 Sep-29 Sep (Stat Wk. 39)	Total	Average Length	659(4.1)		674(4.0)
			Sample Size	86		86
		Male	Average Length	668(9.5)		686(8.4)
			Sample Size	15		11
	Average (Stat Wks. 29-39)	Female	Average Length	670(7.7)		687(7.6)
			Sample Size	11		6
		Total	Average Length	668(5.6)		680(6.0)
			Sample Size	38		32
115	15 Jul-29 Sep (Stat Wks. 29-39)	Male	Average Length	632(5.4)	645(5.1)	505(---)
			Sample Size	131	144	1
		Female	Average Length	658(4.7)	663(6.6)	555(---)
			Sample Size	54	47	1
		Total	Average Length	628(3.3)	647(3.1)	570(42.5)
			Sample Size	337	373	3

Appendix Table 5. Number and average length (standard error of mean in parentheses) of coho salmon sampled from gillnet test fishery by district, week, sex, and age, 1984.

District	Inclusive Dates	Sex	Average Length Sampled by Brood Year and Age Class		
			1981		1980
			1.1	2.1	3.1
106	10 Jun-16 Jun (Stat Wk. 24)	Male	Average Length	620(—)	
			Sample Size	1	
		Female	Average Length		
	17 Jun-23 Jun (Stat Wk. 25)		Sample Size		
		Total	Average Length	620(—)	
			Sample Size	1	
	24 Jun-30 Jun (Stat Wk. 26)	Male	Average Length		569(—)
			Sample Size		1
		Female	Average Length	590(16.0)	588(14.9)
			Sample Size	4	6
		Total	Average Length	590(16.0)	588(14.9)
			Sample Size	4	6
					569(—)
					1
	01 Jul-07 Jul (Stat Wk. 27)	Male	Average Length	564(—)	
			Sample Size	1	
		Female	Average Length	562(22.0)	
			Sample Size	2	
		Total	Average Length	563(12.7)	
			Sample Size	3	
	08 Jul-14 Jul (Stat Wk. 28)	Male	Average Length	514(36.0)	588(19.5)
			Sample Size	2	7
		Female	Average Length	579(24.5)	595(7.5)
			Sample Size	2	4
		Total	Average Length	546(25.7)	590(12.4)
			Sample Size	4	11
	Total	Male	Average Length	551(37.6)	583(16.7)
			Sample Size	3	7
		Female	Average Length		595(11.2)
			Sample Size		3
		Total	Average Length	551(37.6)	587(11.9)
			Sample Size	3	10

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Appendix Table 5. Number and average length (standard error of mean in parentheses) of coho salmon sampled from gillnet test fishery by district, week, sex, and age, 1984 (continued).

District	Inclusive Dates	Sex	Average Length Sampled by Brood Year and Age Class		
			1981	1980	1979
106	15 Jul-21 Jul (Stat Wk. 29)	Male	Average Length	596(16.3)	642(—)
			Sample Size	7	1
		Female	Average Length	553(—)	605(0.5)
	22 Jul-28 Jul (Stat Wk. 30)		Sample Size	1	2
		Total	Average Length	591(15.1)	617(12.5)
			Sample Size	8	3
	22 Jul-28 Jul (Stat Wk. 30)	Male	Average Length	640(—)	628(19.6)
			Sample Size	1	4
		Female	Average Length	610(—)	—
Average	10 Jun-28 Jul (Stat Wks. 24-30)		Sample Size	1	1
		Total	Average Length	640(—)	624(15.6)
			Sample Size	1	5
	106	Male	Average Length	576(14.6)	599(10.3)
			Sample Size	14	20
		Female	Average Length	577(9.8)	594(6.1)
	106		Sample Size	9	16
		Total	Average Length	576(9.5)	597(6.3)
			Sample Size	23	36
106	15 Jul-21 Jul (Stat Wk. 29)	Male	Average Length	628(35.5)	—
			Sample Size	2	—
		Female	Average Length	—	—
	22 Jul-28 Jul (Stat Wk. 30)		Sample Size	—	—
		Total	Average Length	628(35.5)	—
			Sample Size	2	—
	106	Male	Average Length	562(55.8)	609(1.5)
			Sample Size	3	2
		Female	Average Length	476(—)	552(68.5)
	106		Sample Size	1	2
		Total	Average Length	541(45.0)	580(32.5)
			Sample Size	4	4

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Appendix Table 5. Number and average length (standard error of mean in parentheses) of coho salmon sampled from gillnet test fishery by district, week, sex, and age, 1984 (continued).

District	Inclusive Dates	Sex	Average Length Sampled by Brood Year and Age Class			
			1981	1980	1979	
			1.1	2.1	3.1	
108	02 Sep-08 Sep (Stat Wk. 36)	Male	Average Length	681(17.1)	650(12.5)	670(5.0)
			Sample Size	10	9	2
		Female	Average Length	650(10.3)	623(14.5)	645(—)
	15 Jun-08 Sep (Stat Wks. 29-36)		Sample Size	3	4	1
		Total	Average Length	673(13.7)	641(10.1)	662(8.8)
			Sample Size	13	13	3
		Male	Average Length	653(22.3)	640(10.4)	670(5.0)
			Sample Size	13	13	2
		Female	Average Length	606(44.0)	599(24.9)	645(—)
			Sample Size	4	6	1
		Total	Average Length	642(19.9)	627(11.2)	662(8.8)
			Sample Size	17	19	3

Appendix Table 6. Number and average length (standard error of mean in parentheses) of coho salmon sampled from Canadian commercial gillnet fishery on the Taku River by week, sex, and age, 1984.

River	Inclusive Dates	Sex	Average Length Sampled by Brood Year and Age Class		
			1981		1980
			1.1	2.1	
Taku	15 Jul-21 Jul (Stat Wk. 29)	Male	Average Length		
			Sample Size		
		Female	Average Length		630(16.1)
	22 Jul-28 Jul (Stat Wk. 30)		Sample Size		5
		Total	Average Length		630(16.1)
			Sample Size		5
	05 Aug-11 Aug (Stat Wk. 32)	Male	Average Length	639(34.7)	662(43.3)
			Sample Size	3	4
		Female	Average Length		648(28.5)
	12 Aug-18 Aug (Stat Wk. 33)		Sample Size		2
		Total	Average Length	639(34.7)	657(28.6)
			Sample Size	3	6
Taku	05 Aug-11 Aug (Stat Wk. 32)	Male	Average Length	604(28.1)	651(13.4)
			Sample Size	6	12
		Female	Average Length	619(24.4)	643(23.5)
	12 Aug-18 Aug (Stat Wk. 33)		Sample Size	6	7
		Total	Average Length	612(17.8)	645(11.9)
			Sample Size	12	19
	19 Aug-25 Aug (Stat Wk. 34)	Male	Average Length	540(44.8)	605(22.5)
			Sample Size	5	15
		Female	Average Length	590(27.6)	623(15.6)
	19 Aug-25 Aug (Stat Wk. 34)		Sample Size	5	13
		Total	Average Length	565(26.2)	613(13.9)
			Sample Size	10	28
Taku	19 Aug-25 Aug (Stat Wk. 34)	Male	Average Length	576(19.4)	626(11.2)
			Sample Size	25	25
		Female	Average Length	652(17.1)	637(12.6)
	19 Aug-25 Aug (Stat Wk. 34)		Sample Size	12	17
		Total	Average Length	601(15.3)	630(8.3)
			Sample Size	37	42

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Appendix Table 6. Number and average length (standard error of mean in parentheses) of coho salmon sampled from Canadian commercial gillnet fishery on the Taku River by week, sex, and age, 1984 (continued).

River	Inclusive Dates	Sex	Average Length Sampled by Brood Year and Age Class		
			1981		1980
			1.1	2.1	
Taku	16 Sep-22 Sep (Stat Wk. 38)	Male	Average Length	663(3.3)	644(40.2)
			Sample Size	3	7
		Female	Average Length	671(9.9)	648(33.4)
			Sample Size	14	5
		Total	Average Length	669(8.1)	645(26.1)
			Sample Size	17	12
Taku Average	17 Jul-22 Sep (Stat Wks. 29-38)	Male	Average Length	587(14.0)	630(9.0)
			Sample Size	42	63
		Female	Average Length	645(9.4)	634(7.6)
			Sample Size	37	49
		Total	Average Length	614(9.2)	632(6.0)
			Sample Size	79	112

Appendix Table 7. Hugh Smith Lake (Stream No. 101-30-075) weir counts of non-jack coho salmon, 1984^{1/}.

	Date	Number Daily		Proportions	
		Daily	Cumulative	Daily	Cumulative
July	17	1	1	0.00071	0.00071
	18	0	1	0.00000	0.00071
	19	0	1	0.00000	0.00071
	20	0	1	0.00000	0.00071
	21	0	1	0.00000	0.00071
	22	0	1	0.00000	0.00071
	23	1	2	0.00071	0.00142
	24	1	3	0.00071	0.00213
	25	0	3	0.00000	0.00213
	26	0	3	0.00000	0.00213
	27	0	3	0.00000	0.00213
	28	1	4	0.00071	0.00284
	29	0	4	0.00000	0.00284
	30	2	6	0.00142	0.00426
	31	2	8	0.00142	0.00568
August	1	0	8	0.00000	0.00568
	2	2	10	0.00142	0.00710
	3	0	10	0.00000	0.00710
	4	0	10	0.00000	0.00710
	5	0	10	0.00000	0.00710
	6	0	10	0.00000	0.00710
	7	0	10	0.00000	0.00710
	8	3	13	0.00213	0.00923
	9	0	13	0.00000	0.00923
	10	4	17	0.00284	0.01207
	11	2	19	0.00142	0.01349
	12	3	22	0.00213	0.01563
	13	4	26	0.00284	0.01847
	14	5	31	0.00355	0.02202
	15	4	35	0.00284	0.02486
	16	4	39	0.00284	0.02770
	17	2	41	0.00142	0.02912
	18	0	41	0.00000	0.02912
	19	0	41	0.00000	0.02912
	20	0	41	0.00000	0.02912
	21	0	41	0.00000	0.02912
	22	0	41	0.00000	0.02912
	23	0	41	0.00000	0.02912
	24	0	41	0.00000	0.02912
	25	4	45	0.00284	0.03196
	26	24	69	0.01705	0.04901
	27	33	102	0.02344	0.07244
	28	6	108	0.00426	0.07670
	29	13	121	0.00923	0.08594
	30	19	140	0.01349	0.09943
	31	14	154	0.00994	0.10938

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Appendix Table 7. Hugh Smith Lake (Stream No. 101-30-075) weir counts of non-jack coho salmon, 1984^{1/} (continued).

Date	Number Daily		Proportions	
	Daily	Cumulative	Daily	Cumulative
September	1	31	185	0.02202
	2	21	206	0.01491
	3	29	235	0.02060
	4	20	255	0.01420
	5	13	268	0.00923
	6	40	308	0.02841
	7	56	364	0.03977
	8	82	446	0.05824
	9	41	487	0.02912
	10	40	527	0.02841
	11	25	552	0.01776
	12	11	563	0.00781
	13	20	583	0.01420
	14	30	613	0.02131
	15	28	641	0.01989
	16	33	674	0.02344
	17	20	694	0.01420
	18	9	703	0.00639
	19	6	709	0.00426
	20	4	713	0.00284
	21	8	721	0.00568
	22	21	742	0.01491
	23	23	765	0.01634
	24	47	812	0.03338
	25	27	839	0.01918
	26	33	872	0.02344
	27	29	901	0.02060
	28	14	915	0.00994
	29	18	933	0.01278
	30	20	953	0.01420
October	1	10	963	0.00710
	2	22	985	0.01563
	3	20	1,005	0.01420
	4	22	1,027	0.01563
	5	4	1,031	0.00284
	6	12	1,043	0.00852
	7	3	1,046	0.00213
	8	15	1,061	0.01065
	9	1	1,062	0.00071
	10	9	1,071	0.00639
	11	3	1,074	0.00213
	12	2	1,076	0.00142
	13	3	1,079	0.00213
	14	3	1,082	0.00213
	15	2	1,084	0.00142
	16	3	1,087	0.00213
	17	5	1,092	0.00355
	18	3	1,095	0.00213
	19	33	1,128	0.02344

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Appendix Table 7. Hugh Smith Lake (Stream No. 101-30-075) weir counts of non-jack coho salmon, 1984^{1/} (continued).

	Date	Number Daily		Proportions	
		Daily	Cumulative	Daily	Cumulative
October	20	14	1,142	0.00994	0.81108
	21	2	1,144	0.00142	0.81250
	22	3	1,147	0.00213	0.81463
	23	2	1,149	0.00142	0.81605
	24	9	1,158	0.00639	0.82244
	25	9	1,167	0.00639	0.82884
	26	6	1,173	0.00426	0.83310
	27	1	1,174	0.00071	0.83381
	28	1	1,175	0.00071	0.83452
	29	0	1,175	0.00000	0.83452
	30	0	1,175	0.00000	0.83452
	31	0	1,175	0.00000	0.83452
November	1	0	1,175	0.00000	0.83452
	2	10	1,185	0.00710	0.84162
	3	0	1,185	0.00000	0.84162
	4	2	1,187	0.00142	0.84304
	5	1	1,188	0.00071	0.84375
	6	5	1,193	0.00355	0.84730
	7	0	1,193	0.00000	0.84730
	8	1	1,194	0.00071	0.84801
	9	0	1,194	0.00000	0.84801
	10	0	1,194	0.00000	0.84801
	11	0	1,194	0.00000	0.84801
	12	0	1,194	0.00000	0.84801
	13	0	1,194	0.00000	0.84801
	14	0	1,194	0.00000	0.84801
	15	0	1,194	0.00000	0.84801
	16	1	1,195	0.00071	0.84872
	17	0	1,195	0.00000	0.84872
	18	0	1,195	0.00000	0.84872
	19	3	1,198	0.00213	0.85085
	20	2	1,200	0.00142	0.85227
	21	2	1,202	0.00142	0.85369
	22	121	1,323	0.08594	0.93963
	23	79	1,402	0.05611	0.99574
	24	5	1,407	0.00355	0.99929
	25	1	1,408	0.00071	1.00000
	26	0	1,408	0.00000	1.00000

1/ Refer to Appendix Table 22 for counts of jacks.

Appendix Table 8. Wolverine Creek (McDonald Lake) (Stream No. 101-80-068)
weir counts of non-jack coho salmon, 1984.

Date	Number Daily		Proportions	
	Daily	Cumulative	Daily	Cumulative
July 14	0	0	0.00000	0.00000
15	0	0	0.00000	0.00000
16	0	0	0.00000	0.00000
17	0	0	0.00000	0.00000
18	1	1	0.00326	0.00326
19	0	1	0.00000	0.00326
20	0	1	0.00000	0.00326
21	0	1	0.00000	0.00326
22	0	1	0.00000	0.00326
23	0	1	0.00000	0.00326
24	0	1	0.00000	0.00326
25	0	1	0.00000	0.00326
26	0	1	0.00000	0.00326
27	0	1	0.00000	0.00326
28	2	3	0.00651	0.00977
29	0	3	0.00000	0.00977
30	0	3	0.00000	0.00977
31	1	4	0.00326	0.01303
August 1	1	5	0.00326	0.01629
2	0	5	0.00000	0.01629
3	1	6	0.00326	0.01954
4	1	7	0.00326	0.02280
5	1	8	0.00326	0.02606
6	8	16	0.02606	0.05212
7	2	18	0.00651	0.05863
8	3	21	0.00977	0.06840
9	4	25	0.01303	0.08143
10	1	26	0.00326	0.08469
11	1	27	0.00326	0.08795
12	3	30	0.00977	0.09772
13	1	31	0.00326	0.10098
14	6	37	0.01954	0.12052
15	5	42	0.01629	0.13681
16	14	56	0.04560	0.18241
17	4	60	0.01303	0.19544
18	1	61	0.00326	0.19870
19	3	64	0.00977	0.20847
20	3	67	0.00977	0.21824
21	8	75	0.02606	0.24430
22	3	78	0.00977	0.25407
23	1	79	0.00326	0.25733
24	2	81	0.00651	0.26384
25	174	255	0.56678	0.83062
26	14	269	0.04560	0.87622
27	29	298	0.09446	0.97068
28	9	307	0.02932	1.00000
29	0	307	0.00000	1.00000

Appendix Table 9. Klawock River (Stream No. 103-60-047) weir counts of non-jack coho salmon, 1984.

	Date	Number Daily		Proportions	
		Daily	Cumulative	Daily	Cumulative
September	7	24	24	0.00349	0.00349
	8	7	31	0.00102	0.00451
	9	15	46	0.00218	0.00669
	10	24	70	0.00349	0.01018
	11	11	81	0.00160	0.01178
	12	78	159	0.01135	0.02313
	13	29	188	0.00422	0.02735
	14	34	222	0.00495	0.03230
	15	46	268	0.00669	0.03899
	16	199	467	0.02895	0.06794
	17	112	579	0.01629	0.08423
	18	942	1,521	0.13704	0.22127
	19	554	2,075	0.08059	0.30186
	20	652	2,727	0.09485	0.39671
	21	49	2,776	0.00713	0.40384
	22	57	2,833	0.00829	0.41213
	23	0	2,833	0.00000	0.41213
	24	3	2,836	0.00044	0.41257
	25	36	2,872	0.00524	0.41781
	26	56	2,928	0.00815	0.42595
	27	7	2,935	0.00102	0.42697
	28	38	2,973	0.00553	0.43250
	29	285	3,258	0.04146	0.47396
	30	75	3,333	0.01091	0.48487
October	1	381	3,714	0.05543	0.54030
	2	247	3,961	0.03593	0.57623
	3	390	4,351	0.05674	0.63296
	4	818	5,169	0.11900	0.75196
	5	62	5,231	0.00902	0.76098
	6	308	5,539	0.04481	0.80579
	7	0	5,539	0.00000	0.80579
	8	247	5,786	0.03593	0.84172
	9	36	5,822	0.00524	0.84696
	10	332	6,154	0.04830	0.89526
	11	235	6,389	0.03419	0.92944
	12	89	6,478	0.01295	0.94239
	13	0	6,478	0.00000	0.94239
	14	6	6,484	0.00087	0.94326
	15	390	6,874	0.05674	1.00000

Appendix Table 10. Crystal Creek (Crystal Lake Hatchery) (Stream No. 106-44-031) weir counts of non-jack coho salmon, 1984^{1/}.

Date	Number Daily		Proportions	
	Daily	Cumulative	Daily	Cumulative
August	13	12	0.00266	0.00266
	14	0	0.00000	0.00266
	15	0	0.00000	0.00266
	16	0	0.00000	0.00266
	17	0	0.00000	0.00266
	18	0	0.00000	0.00266
	19	0	0.00000	0.00266
	20	0	0.00000	0.00266
	21	1	0.00022	0.00288
	22	0	0.00000	0.00288
	23	0	0.00000	0.00288
	24	0	0.00000	0.00288
	25	0	0.00000	0.00288
	26	0	0.00000	0.00288
	27	23	0.00510	0.00799
	28	47	0.01043	0.01842
	29	0	0.00000	0.01842
	30	0	0.00000	0.01842
	31	0	0.00000	0.01842
September	1	0	0.00000	0.01842
	2	0	0.00000	0.01842
	3	0	0.00000	0.01842
	4	22	0.00488	0.02330
	5	0	0.00000	0.02330
	6	0	0.00000	0.02330
	7	0	0.00000	0.02330
	8	0	0.00000	0.02330
	9	0	0.00000	0.02330
	10	0	0.00000	0.02330
	11	0	0.00000	0.02330
	12	0	0.00000	0.02330
	13	0	0.00000	0.02330
	14	0	0.00000	0.02330
	15	0	0.00000	0.02330
	16	0	0.00000	0.02330
	17	0	0.00000	0.02330
	18	0	0.00000	0.02330
	19	0	0.00000	0.02330
	20	0	0.00000	0.02330
	21	0	0.00000	0.02330
	22	0	0.00000	0.02330
	23	0	0.00000	0.02330
	24	0	0.00000	0.02330
	25	0	0.00000	0.02330
	26	0	0.00000	0.02330

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Appendix Table 10. Crystal Creek (Crystal Lake Hatchery) (Stream No. 106-44-031) weir counts of non-jack coho salmon, 1984^{1/} (continued).

Date	Number Daily		Proportions	
	Daily	Cumulative	Daily	Cumulative
September	27	0	105	0.00000
	28	0	105	0.00000
	29	0	105	0.00000
	30	0	105	0.00000
October	1	0	105	0.02330
	2	336	441	0.07455
	3	0	441	0.00000
	4	0	441	0.00000
	5	0	441	0.00000
	6	0	441	0.00000
	7	0	441	0.00000
	8	0	441	0.00000
	9	538	979	0.11937
	10	637	1,616	0.14134
	11	0	1,616	0.00000
	12	0	1,616	0.00000
	13	0	1,616	0.00000
14	0	1,616	0.00000	0.35855
	15	0	1,616	0.00000
	16	1,062	2,678	0.23563
	17	0	2,678	0.00000
	18	0	2,678	0.00000
	19	0	2,678	0.00000
	20	0	2,678	0.00000
	21	0	2,678	0.00000
	22	0	2,678	0.00000
	23	0	2,678	0.00000
	24	0	2,678	0.00000
	25	0	2,678	0.00000
	26	0	2,678	0.00000
	27	0	2,678	0.00000
28	0	2,678	0.00000	0.59419
	0	2,678	0.00000	0.59419
	0	2,678	0.00000	0.59419
29	0	2,678	0.00000	0.59419
	1,829	4,507	0.40581	1.00000

1/ Refer to Appendix Table 23 for counts of jacks.

Appendix Table 11. Stikine River (Stream No. 108-40-015) sonar counts of non-jack coho salmon, 1985.

Date	Number Daily		Proportions	
	Daily	Cumulative	Daily	Cumulative
6/11-6/24	0	0	0.00000	0.00000
6/25-7/8	0	0	0.00000	0.00000
7/9-7/22	0	0	0.00000	0.00000
7/23-8/5	524	524	0.13896	0.13896
8/6-9/19	3,247	3,771	0.86104	1.00000

Appendix Table 12. Sashin Creek (Stream No. 109-10-006) weir counts of wild non-jack coho salmon, 19841/.

	Date	Number Daily		Proportions	
		Daily	Cumulative	Daily	Cumulative
August	25	1	1	0.00322	0.00322
	26	2	3	0.00643	0.00965
	27	0	3	0.00000	0.00965
	28	0	3	0.00000	0.00965
	29	0	3	0.00000	0.00965
	30	0	3	0.00000	0.00965
	31	0	3	0.00000	0.00965
September	1	1	4	0.00322	0.01286
	2	0	4	0.00000	0.01286
	3	2	6	0.00643	0.01929
	4	0	6	0.00000	0.01929
	5	1	7	0.00322	0.02251
	6	0	7	0.00000	0.02251
	7	0	7	0.00000	0.02251
	8	0	7	0.00000	0.02251
	9	0	7	0.00000	0.02251
	10	2	9	0.00643	0.02894
	11	0	9	0.00000	0.02894
	12	0	9	0.00000	0.02894
	13	0	9	0.00000	0.02894
	14	10	19	0.03215	0.06109
	15	11	30	0.03537	0.09646
	16	16	46	0.05145	0.14791
October	17	7	53	0.02251	0.17042
	18	3	56	0.00965	0.18006
	19	0	56	0.00000	0.18006
	20	1	57	0.00322	0.18328
	21	2	59	0.00643	0.18971
	22	0	59	0.00000	0.18971
	23	3	62	0.00965	0.19936
	24	1	63	0.00322	0.20257
	25	1	64	0.00322	0.20579
	26	0	64	0.00000	0.20579
	27	0	64	0.00000	0.20579
	28	31	95	0.09968	0.30547
	29	5	100	0.01608	0.32154
	30	2	102	0.00643	0.32797
	1	16	118	0.05145	0.37942
	2	8	126	0.02572	0.40514
	3	0	126	0.00000	0.40514
	4	0	126	0.00000	0.40514
	5	0	126	0.00000	0.40514
	6	29	155	0.09325	0.49839
	7	49	204	0.15756	0.65595

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Appendix Table 12. Sashin Creek (Stream No. 109-10-006) weir counts of wild non-jack coho salmon, 1984^{1/} (continued).

	Date	Number Daily		Proportions	
		Daily	Cumulative	Daily	Cumulative
October	8	31	235	0.09968	0.75563
	9	2	237	0.00643	0.76206
	10	16	253	0.05145	0.81350
	11	2	255	0.00643	0.81994
	12	3	258	0.00965	0.82958
	13	0	258	0.00000	0.82958
	14	2	260	0.00643	0.83601
	15	1	261	0.00322	0.83923
	16	3	264	0.00965	0.84887
	17	1	265	0.00322	0.85209
	18	1	266	0.00322	0.85531
	19	4	270	0.01286	0.86817
	20	0	270	0.00000	0.86817
	21	16	286	0.05145	0.91961
	22	20	306	0.06431	0.98392
	23	3	309	0.00965	0.99357
	24	2	311	0.00643	1.00000

1/ Refer to Appendix Table 24 for counts of wild jacks.

Appendix Table 13. Sashin Creek (Stream No. 109-10-006) weir counts of planted non-jack coho salmon, 1984.

	Date	Number Daily		Proportions	
		Daily	Cumulative	Daily	Cumulative
August	25	4	4	0.00200	0.00200
	26	0	4	0.00000	0.00200
	27	0	4	0.00000	0.00200
	28	1	5	0.00050	0.00250
	29	0	5	0.00000	0.00250
	30	4	9	0.00200	0.00450
	31	8	17	0.00400	0.00850
September	1	0	17	0.00000	0.00850
	2	10	27	0.00500	0.01350
	3	4	31	0.00200	0.01550
	4	0	31	0.00000	0.01550
	5	2	33	0.00100	0.01650
	6	0	33	0.00000	0.01650
	7	0	33	0.00000	0.01650
	8	0	33	0.00000	0.01650
	9	0	33	0.00000	0.01650
	10	0	33	0.00000	0.01650
	11	4	37	0.00200	0.01850
	12	0	37	0.00000	0.01850
	13	0	37	0.00000	0.01850
	14	22	59	0.01100	0.02950
	15	84	143	0.04200	0.07150
	16	141	284	0.07050	0.14200
	17	134	418	0.06700	0.20900
	18	36	454	0.01800	0.22700
	19	5	459	0.00250	0.22950
	20	5	464	0.00250	0.23200
	21	2	466	0.00100	0.23300
	22	3	469	0.00150	0.23450
	23	22	491	0.01100	0.24550
	24	9	500	0.00450	0.25000
	25	8	508	0.00400	0.25400
	26	0	508	0.00000	0.25400
	27	0	508	0.00000	0.25400
	28	209	717	0.10450	0.35850
	29	68	785	0.03400	0.39250
	30	15	800	0.00750	0.40000
October	1	186	986	0.09300	0.49300
	2	53	1,039	0.02650	0.51950
	3	1	1,040	0.00050	0.52000
	4	1	1,041	0.00050	0.52050
	5	4	1,045	0.00200	0.52250
	6	143	1,188	0.07150	0.59400
	7	349	1,537	0.17450	0.76850

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Appendix Table 13. Sashin Creek (Stream No. 109-10-006) weir counts of planted non-jack coho salmon, 1984 (continued).

	Date	Number Daily		Proportions	
		Daily	Cumulative	Daily	Cumulative
October	8	222	1,759	0.11100	0.87950
	9	16	1,775	0.00800	0.88750
	10	50	1,825	0.02500	0.91250
	11	2	1,827	0.00100	0.91350
	12	3	1,830	0.00150	0.91500
	13	1	1,831	0.00050	0.91550
	14	8	1,839	0.00400	0.91950
	15	2	1,841	0.00100	0.92050
	16	6	1,847	0.00300	0.92350
	17	0	1,847	0.00000	0.92350
	18	1	1,848	0.00050	0.92400
	19	32	1,880	0.01600	0.94000
	20	0	1,880	0.00000	0.94000
	21	28	1,908	0.01400	0.95400
	22	81	1,989	0.04050	0.99450
	23	11	2,000	0.00550	1.00000
	24	0	2,000	0.00000	1.00000

Appendix Table 14. Falls Lake (Stream No. 109-20-013) weir counts of non-jack coho salmon, 1984.

Date	Number Daily		Proportions	
	Daily	Cumulative	Daily	Cumulative
July 31	1	1	0.00610	0.00610
August 1	0	1	0.00000	0.00610
2	0	1	0.00000	0.00610
3	0	1	0.00000	0.00610
4	0	1	0.00000	0.00610
5	0	1	0.00000	0.00610
6	0	1	0.00000	0.00610
7	0	1	0.00000	0.00610
8	1	2	0.00610	0.01220
9	6	8	0.03659	0.04878
10	3	11	0.01829	0.06707
11	2	13	0.01220	0.07927
12	0	13	0.00000	0.07927
13	11	24	0.06707	0.14634
14	4	28	0.02439	0.17073
15	1	29	0.00610	0.17683
16	0	29	0.00000	0.17683
17	5	34	0.03049	0.20732
18	4	38	0.02439	0.23171
19	1	39	0.00610	0.23780
20	2	41	0.01220	0.25000
21	11	52	0.06707	0.31707
22	10	62	0.06098	0.37805
23	3	65	0.01829	0.39634
24	4	69	0.02439	0.42073
25	19	88	0.11585	0.53659
26	8	96	0.04878	0.58537
27	11	107	0.06707	0.65244
28	8	115	0.04878	0.70122
29	3	118	0.01829	0.71951
30	6	124	0.03659	0.75610
31	7	131	0.04268	0.79878
September 1	3	134	0.01829	0.81707
2	2	136	0.01220	0.82927
3	1	137	0.00610	0.83537
4	1	138	0.00610	0.84146
5	4	142	0.02439	0.86585
6	0	142	0.00000	0.86585
7	3	145	0.01829	0.88415
8	3	148	0.01829	0.90244
9	0	148	0.00000	0.90244
10	6	154	0.03659	0.93902
11	1	155	0.00610	0.94512
12	2	157	0.01220	0.95732
13	0	157	0.00000	0.95732
14	0	157	0.00000	0.95732
15	1	158	0.00610	0.96341
16	4	162	0.02439	0.98780
17	2	164	0.01220	1.00000

Appendix Table 15. Speel Lake (Stream No. 111-32-034) weir counts of non-jack coho salmon, 1984.

	Date	Number Daily		Proportions	
		Daily	Cumulative	Daily	Cumulative
August	28	1	1	0.25000	0.25000
	29	0	1	0.00000	0.25000
	30	0	1	0.00000	0.25000
	31	1	2	0.25000	0.50000
September	1	0	2	0.00000	0.50000
	2	0	2	0.00000	0.50000
	3	0	2	0.00000	0.50000
	4	0	2	0.00000	0.50000
	5	1	3	0.25000	0.75000
	6	1	4	0.25000	1.00000
	7	0	4	0.00000	1.00000
	8	0	4	0.00000	1.00000
	9	0	4	0.00000	1.00000

Appendix Table 16. Crescent Lake (Stream No. 111-35-006) weir counts of non-jack coho salmon, 1984.

Date	Number Daily		Proportions	
	Daily	Cumulative	Daily	Cumulative
August 16	1	1	0.03226	0.03226
17	0	1	0.00000	0.03226
18	2	3	0.06452	0.09677
19	0	3	0.00000	0.09677
20	2	5	0.06452	0.16129
21	0	5	0.00000	0.16129
22	0	5	0.00000	0.16129
23	0	5	0.00000	0.16129
24	1	6	0.03226	0.19355
25	2	8	0.06452	0.25806
26	3	11	0.09677	0.35484
27	6	17	0.19355	0.54839
28	0	17	0.00000	0.54839
29	0	17	0.00000	0.54839
30	3	20	0.09677	0.64516
31	1	21	0.03226	0.67742
September 1	1	22	0.03226	0.70968
2	0	22	0.00000	0.70968
3	4	26	0.12903	0.83871
4	0	26	0.00000	0.83871
5	0	26	0.00000	0.83871
6	1	27	0.03226	0.87097
7	4	31	0.12903	1.00000

Appendix Table 17. Auke Lake (Stream No. 111-50-042) weir counts of non-jack coho salmon, 1984^{1/}.

Date	Number Daily		Proportions	
	Daily	Cumulative	Daily	Cumulative
August 25	5	5	0.00669	0.00669
26	4	9	0.00535	0.01205
27	0	9	0.00000	0.01205
28	0	9	0.00000	0.01205
29	0	9	0.00000	0.01205
30	0	9	0.00000	0.01205
31	0	9	0.00000	0.01205
September 1	0	9	0.00000	0.01205
2	0	9	0.00000	0.01205
3	0	9	0.00000	0.01205
4	1	10	0.00134	0.01339
5	0	10	0.00000	0.01339
6	0	10	0.00000	0.01339
7	0	10	0.00000	0.01339
8	0	10	0.00000	0.01339
9	0	10	0.00000	0.01339
10	0	10	0.00000	0.01339
11	0	10	0.00000	0.01339
12	0	10	0.00000	0.01339
13	0	10	0.00000	0.01339
14	0	10	0.00000	0.01339
15	0	10	0.00000	0.01339
16	1	11	0.00134	0.01473
17	3	14	0.00402	0.01874
18	4	18	0.00535	0.02410
19	10	28	0.01339	0.03748
20	6	34	0.00803	0.04552
21	1	35	0.00134	0.04685
22	3	38	0.00402	0.05087
23	8	46	0.01071	0.06158
24	2	48	0.00258	0.06426
25	6	54	0.00803	0.07229
26	4	58	0.00535	0.07764
27	8	66	0.01071	0.08835
28	1	67	0.00134	0.08969
29	26	93	0.03481	0.12450
30	24	117	0.03213	0.15663
October 1	84	201	0.11245	0.26908
2	271	472	0.36278	0.63186
3	93	565	0.12450	0.75636
4	28	593	0.03748	0.79384
5	12	605	0.01606	0.80991
6	11	616	0.01473	0.82463
7	6	622	0.00803	0.83266

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Appendix Table 17. Auke Lake (Stream No. 111-50-042) weir counts of non-jack coho salmon, 1984^{1/} (continued).

Date	Number Daily		Proportions	
	Daily	Cumulative	Daily	Cumulative
October 8	43	665	0.05756	0.89023
9	20	685	0.02677	0.91700
10	8	693	0.01071	0.92771
11	0	693	0.00000	0.92771
12	6	699	0.00803	0.93574
13	0	699	0.00000	0.93574
14	3	702	0.00402	0.93976
15	7	709	0.00937	0.94913
16	0	709	0.00000	0.94913
17	0	709	0.00000	0.94913
18	0	709	0.00000	0.94913
19	3	712	0.00402	0.95315
20	0	712	0.00000	0.95315
21	0	712	0.00000	0.95315
22	0	712	0.00000	0.95315
23	22	734	0.02945	0.98260
24	8	742	0.01071	0.99331
25	2	744	0.00268	0.99598
26	3	747	0.00402	1.00000
27	0	747	0.00000	1.00000
28	0	747	0.00000	1.00000
29	0	747	0.00000	1.00000
30	0	747	0.00000	1.00000

1/ Refer to Appendix Table 25 for counts of jacks.

Appendix Table 18. Salmon Lake (Stream No. 113-41-032) weir counts of non-jack coho salmon, 1984^{1/}.

Date	Number Daily		Proportions	
	Daily	Cumulative	Daily	Cumulative
August 13	0	0	0.00000	0.00000
14	2	2	0.00345	0.00345
15	1	3	0.00173	0.00518
16	1	4	0.00173	0.00691
17	0	4	0.00000	0.00691
18	0	4	0.00000	0.00691
19	0	4	0.00000	0.00691
20	2	6	0.00345	0.01036
21	1	7	0.00173	0.01209
22	6	13	0.01036	0.02245
23	1	14	0.00173	0.02418
24 2/	1	15	0.00173	0.02591
25 2/	0	15	0.00000	0.02591
26 2/	0	15	0.00000	0.02591
27 2/	6	21	0.01036	0.03627
28	7	28	0.01209	0.04836
29	0	28	0.00000	0.04836
30	1	29	0.00173	0.05009
31	1	30	0.00173	0.05181
September 1 3/	0	30	0.00000	0.05181
2	0	30	0.00000	0.05181
3 3/	0	30	0.00000	0.05181
4	0	30	0.00000	0.05181
5	0	30	0.00000	0.05181
6	0	30	0.00000	0.05181
7	0	30	0.00000	0.05181
8	0	30	0.00000	0.05181
9	0	30	0.00000	0.05181
10	0	30	0.00000	0.05181
11	0	30	0.00000	0.05181
12	0	30	0.00000	0.05181
13	0	30	0.00000	0.05181
14	0	30	0.00000	0.05181
15	0	30	0.00000	0.05181
16	27	57	0.04663	0.09845
17	7	64	0.01209	0.11054
18	0	64	0.00000	0.11054
19	0	64	0.00000	0.11054
20	0	64	0.00000	0.11054
21	0	64	0.00000	0.11054
22	1	65	0.00173	0.11226
23	1	66	0.00173	0.11399
24	2	68	0.00345	0.11744
25	2	70	0.00345	0.12090
26	2	72	0.00345	0.12435

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Appendix Table 18. Salmon Lake (Stream No. 113-41-032) weir counts of non-jack coho salmon, 1984^{1/} (continued).

Date	Number Daily		Proportions	
	Daily	Cumulative	Daily	Cumulative
September	27	0	0.00000	0.12435
	28	0	0.00000	0.12435
	29	1	0.00173	0.12608
	30	2	0.00345	0.12953
October	1	112	0.19344	0.32297
	2	192	0.33161	0.65458
	3	125	0.21589	0.87047
	4	8	0.01382	0.88428
	5	0	0.00000	0.88428
	6	4	0.00691	0.89119
	7	62	0.10708	0.99827
	8 3/	0	0.00000	0.99827
	9	1	0.00173	1.00000
	10	0	0.00000	1.00000
	11 4/	0	0.00000	1.00000

1/ Refer to Appendix Table 26 for counts of jacks.

2/ Weir closed due to high water from 2100 hours 8/24/84 to 0530 hours 8/27/84.

3/ Weir closed due to high water.

4/ Pickets pulled at 1430 hours.

Appendix Table 19. Redoubt Lake (Stream No. 113-41-043) weir counts of non-jack coho salmon, 1984^{1/}.

	Date	Number Daily		Proportions	
		Daily	Cumulative	Daily	Cumulative
July	28	5	5	0.00104	0.00104
	29	7	5	0.00146	0.00250
	30	0	12	0.00000	0.00250
	31	23	35	0.00478	0.00728
August	1	9	44	0.00187	0.00915
	2	6	50	0.00125	0.01040
	3	11	61	0.00229	0.01269
	4	0	61	0.00000	0.01269
	5	8	69	0.00166	0.01435
	6	0	69	0.00000	0.01435
	7	13	82	0.00270	0.01706
	8	5	87	0.00104	0.01810
	9	15	102	0.00312	0.02122
	10	6	108	0.00125	0.02247
	11	18	126	0.00374	0.02621
	12	29	155	0.00603	0.03224
	13	16	171	0.00333	0.03557
	14	23	194	0.00478	0.04036
	15	6	200	0.00125	0.04161
	16	7	207	0.00146	0.04306
	17	14	221	0.00291	0.04597
	18	56	277	0.01165	0.05762
	19	2	279	0.00042	0.05804
	20	87	366	0.01810	0.07614
	21	71	437	0.01477	0.09091
	22	59	496	0.01227	0.10318
	23	63	559	0.01311	0.11629
	24	130	689	0.02704	0.14333
	25	7	696	0.00146	0.14479
	26	38	734	0.00791	0.15269
	27	261	995	0.05430	0.20699
	28	213	1,208	0.04431	0.25130
	29	171	1,379	0.03557	0.28687
	30	190	1,569	0.03953	0.32640
	31	274	1,843	0.05700	0.38340
September	1	126	1,969	0.02621	0.40961
	2	182	2,151	0.03786	0.44747
	3	175	2,326	0.03641	0.48388
	4	129	2,455	0.02684	0.51071
	5	150	2,605	0.03120	0.54192
	6	157	2,762	0.03266	0.57458
	7	112	2,874	0.02330	0.59788
	8	67	2,941	0.01394	0.61182
	9	75	3,016	0.01560	0.62742
	10	82	3,098	0.01706	0.64448

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Appendix Table 19. Redoubt Lake (Stream No. 113-41-043) weir counts of non-jack coho salmon, 1984^{1/} (continued).

	Date	Number Daily		Proportions	
		Daily	Cumulative	Daily	Cumulative
September	11	63	3,161	0.01311	0.65758
	12	86	3,247	0.01789	0.67547
	13	90	3,337	0.01872	0.69420
	14	63	3,400	0.01311	0.70730
	15	64	3,464	0.01331	0.72062
	16	179	3,643	0.03724	0.75785
	17	188	3,831	0.03911	0.79696
	18	127	3,958	0.02642	0.82338
	19	82	4,040	0.01706	0.84044
	20	97	4,137	0.02018	0.86062
	21	46	4,183	0.00957	0.87019
	22	42	4,225	0.00874	0.87893
	23	27	4,252	0.00562	0.88454
	24	116	4,368	0.02413	0.90867
	25	37	4,405	0.00770	0.91637
	26	38	4,443	0.00791	0.92428
	27	22	4,465	0.00458	0.92885
	28	19	4,484	0.00395	0.93281
	29	13	4,497	0.00270	0.93551
	30	0	4,497	0.00000	0.93551
October	1	81	4,578	0.01685	0.95236
	2	36	4,614	0.00749	0.95985
	3	18	4,632	0.00374	0.96359
	4	27	4,659	0.00562	0.96921
	5	13	4,672	0.00270	0.97192
	6	70	4,742	0.01456	0.98648
	7	65	4,807	0.01352	1.00000

1/ Refer to Appendix Table 27 for counts of jacks.

Appendix Table 20. Chilkat Lake (Stream No. 115-32-032) weir counts of non-jack coho salmon, 1984.

Date	Number Daily		Proportions	
	Daily	Cumulative	Daily	Cumulative
August	21	1	0.00138	0.00138
	22	0	0.00000	0.00138
	23	0	0.00000	0.00138
	24	0	0.00000	0.00138
	25	0	0.00000	0.00138
	26	0	0.00000	0.00138
	27	0	0.00000	0.00138
	28	0	0.00000	0.00138
	29	0	0.00000	0.00138
	30	0	0.00000	0.00138
September	31	0	0.00000	0.00138
	1	0	0.00000	0.00138
	2	0	0.00000	0.00138
	3	0	0.00000	0.00138
	4	0	0.00000	0.00138
	5	1	0.00138	0.00276
	6	7	0.00956	0.01241
	7	5	0.00690	0.01931
	8	4	0.00532	0.02463
	9	6	0.00628	0.03310
	10	3	0.00414	0.03724
	11	0	0.00000	0.03724
	12	12	0.01655	0.05379
	13	3	0.00414	0.05793
	14	10	0.01379	0.07172
	15	13	0.01793	0.08966
	16	0	0.00000	0.08966
	17	0	0.00000	0.08966
	18	15	0.02069	0.11034
	19	11	0.01517	0.12552
	20	60	0.08276	0.20828
	21	10	0.01379	0.22207
	22	18	0.02483	0.24690
	23	55	0.07586	0.32276
	24	18	0.02483	0.34759
	25	42	0.05793	0.40552
	26	28	0.03862	0.44414
	27	27	0.03724	0.48138
	28	21	0.02897	0.51034
	29	74	0.10207	0.61241
	30	26	0.03586	0.64828
October	1	26	0.03586	0.68414
	2	40	0.05317	0.73931
	3	57	0.07862	0.81793
	4	41	0.05655	0.87448
	5	19	0.02621	0.90069
	6	28	0.03862	0.93931
	7	44	0.06069	1.00000

Appendix Table 21. Chilkoot Lake (Stream No. 115-33-030) weir counts of non-jack coho salmon, 1984.

		Number Daily		Proportions	
	Date	Daily	Cumulative	Daily	Cumulative
August	21	4	4	0.01444	0.01444
	22	0	4	0.00000	0.01444
	23	0	4	0.00000	0.01444
	24	0	4	0.00000	0.01444
	25	0	4	0.00000	0.01444
	26	0	4	0.00000	0.01444
	27	1	5	0.00361	0.01805
	28	0	5	0.00000	0.01805
	29	4	9	0.01444	0.03249
	30	4	13	0.01444	0.04693
	31	0	13	0.00000	0.04693
September	1	0	13	0.00000	0.04693
	2	0	13	0.00000	0.04693
	3	10	23	0.03610	0.08303
	4	12	35	0.04332	0.12635
	5	11	46	0.03971	0.16606
	6	16	62	0.05776	0.22383
	7	22	84	0.07942	0.30325
	8	6	90	0.02166	0.32491
	9	50	140	0.18051	0.50542
	10	41	181	0.14801	0.65343
	11	48	229	0.17329	0.82671
	12	48	277	0.17329	1.00000

Appendix Table 22. Hugh Smith Lake (Stream No. 101-30-075) weir counts of jack coho salmon, 1984^{1/}.

	Date	Number Daily		Proportions	
		Daily	Cumulative	Daily	Cumulative
July	17	0	0	0.00000	0.00000
	18	0	0	0.00000	0.00000
	19	0	0	0.00000	0.00000
	20	0	0	0.00000	0.00000
	21	0	0	0.00000	0.00000
	22	0	0	0.00000	0.00000
	23	0	0	0.00000	0.00000
	24	0	0	0.00000	0.00000
	25	0	0	0.00000	0.00000
	26	0	0	0.00000	0.00000
	27	0	0	0.00000	0.00000
	28	0	0	0.00000	0.00000
	29	0	0	0.00000	0.00000
	30	0	0	0.00000	0.00000
	31	0	0	0.00000	0.00000
August	1	0	0	0.00000	0.00000
	2	0	0	0.00000	0.00000
	3	0	0	0.00000	0.00000
	4	0	0	0.00000	0.00000
	5	0	0	0.00000	0.00000
	6	0	0	0.00000	0.00000
	7	0	0	0.00000	0.00000
	8	0	0	0.00000	0.00000
	9	0	0	0.00000	0.00000
	10	0	0	0.00000	0.00000
	11	0	0	0.00000	0.00000
	12	0	0	0.00000	0.00000
	13	0	0	0.00000	0.00000
	14	0	0	0.00000	0.00000
	15	0	0	0.00000	0.00000
	16	0	0	0.00000	0.00000
	17	1	1	0.08333	0.08333
	18	0	1	0.00000	0.08333
	19	0	1	0.00000	0.08333
	20	0	1	0.00000	0.08333
	21	1	2	0.08333	0.16667
	22	0	2	0.00000	0.16667
	23	0	2	0.00000	0.16667
	24	0	2	0.00000	0.16667
	25	0	2	0.00000	0.16667
	26	0	2	0.00000	0.16667
	27	0	2	0.00000	0.16667
	28	0	2	0.00000	0.16667
	29	0	2	0.00000	0.16667
	30	0	2	0.00000	0.16667
	31	0	2	0.00000	0.16667

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Appendix Table 22. Hugh Smith Lake (Stream No. 101-30-075) weir counts of jack coho salmon, 1984^{1/} (continued).

	Date	Number Daily		Proportions	
		Daily	Cumulative	Daily	Cumulative
September	1	1	3	0.08333	0.25000
	2	1	4	0.08333	0.33333
	3	1	5	0.08333	0.41667
	4	0	5	0.00000	0.41667
	5	0	5	0.00000	0.41667
	6	0	5	0.00000	0.41667
	7	0	5	0.00000	0.41667
	8	0	5	0.00000	0.41667
	9	0	5	0.00000	0.41667
	10	0	5	0.00000	0.41667
	11	0	5	0.00000	0.41667
	12	2	7	0.16667	0.58333
	13	0	7	0.00000	0.58333
	14	0	7	0.00000	0.58333
	15	0	7	0.00000	0.58333
	16	0	7	0.00000	0.58333
	17	1	8	0.08333	0.66667
	18	0	8	0.00000	0.66667
	19	0	8	0.00000	0.66667
	20	0	8	0.00000	0.66667
	21	0	8	0.00000	0.66667
	22	2	10	0.16667	0.83333
	23	0	10	0.00000	0.83333
	24	0	10	0.00000	0.83333
	25	0	10	0.00000	0.83333
	26	1	11	0.08333	0.91667
	27	0	11	0.00000	0.91667
	28	0	11	0.00000	0.91667
	29	0	11	0.00000	0.91667
	30	0	11	0.00000	0.91667
October	1	0	11	0.00000	0.91667
	2	0	11	0.00000	0.91667
	3	0	11	0.00000	0.91667
	4	0	11	0.00000	0.91667
	5	0	11	0.00000	0.91667
	6	0	11	0.00000	0.91667
	7	0	11	0.00000	0.91667
	8	0	11	0.00000	0.91667
	9	0	11	0.00000	0.91667
	10	0	11	0.00000	0.91667
	11	0	11	0.00000	0.91667
	12	0	11	0.00000	0.91667
	13	0	11	0.00000	0.91667
	14	0	11	0.00000	0.91667
	15	0	11	0.00000	0.91667
	16	0	11	0.00000	0.91667

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Appendix Table 22. Hugh Smith Lake (Stream No. 101-30-075) weir counts of jack coho salmon, 1984^{1/} (continued).

	Date	Number Daily		Proportions	
		Daily	Cumulative	Daily	Cumulative
October	17	0	11	0.00000	0.91667
	18	0	11	0.00000	0.91667
	19	0	11	0.00000	0.91667
	20	0	11	0.00000	0.91667
	21	0	11	0.00000	0.91667
	22	0	11	0.00000	0.91667
	23	1	12	0.08333	1.00000
	24	0	12	0.00000	1.00000
	25	0	12	0.00000	1.00000
	26	0	12	0.00000	1.00000
	27	0	12	0.00000	1.00000
	28	0	12	0.00000	1.00000
	29	0	12	0.00000	1.00000
	30	0	12	0.00000	1.00000
November	31	0	12	0.00000	1.00000
	1	0	12	0.00000	1.00000
	2	0	12	0.00000	1.00000
	3	0	12	0.00000	1.00000
	4	0	12	0.00000	1.00000
	5	0	12	0.00000	1.00000
	6	0	12	0.00000	1.00000
	7	0	12	0.00000	1.00000
	8	0	12	0.00000	1.00000
	9	0	12	0.00000	1.00000
	10	0	12	0.00000	1.00000
	11	0	12	0.00000	1.00000
	12	0	12	0.00000	1.00000
	13	0	12	0.00000	1.00000
	14	0	12	0.00000	1.00000
	15	0	12	0.00000	1.00000
	16	0	12	0.00000	1.00000
	17	0	12	0.00000	1.00000
	18	0	12	0.00000	1.00000
	19	0	12	0.00000	1.00000
	20	0	12	0.00000	1.00000
	21	0	12	0.00000	1.00000
	22	0	12	0.00000	1.00000
	23	0	12	0.00000	1.00000
	24	0	12	0.00000	1.00000
	25	0	12	0.00000	1.00000
	26	0	12	0.00000	1.00000

1/ Refer to Appendix Table 7 for counts of non-jacks.

Appendix Table 23. Crystal Creek (Crystal Lake Hatchery) (Stream No. 106-44-031) weir counts of jack coho salmon, 1984¹.

	Date	Number Daily		Proportions	
		Daily	Cumulative	Daily	Cumulative
August	13	0	0	0.00000	0.00000
	14	0	0	0.00000	0.00000
	15	0	0	0.00000	0.00000
	16	0	0	0.00000	0.00000
	17	0	0	0.00000	0.00000
	18	0	0	0.00000	0.00000
	19	0	0	0.00000	0.00000
	20	0	0	0.00000	0.00000
	21	0	0	0.00000	0.00000
	22	0	0	0.00000	0.00000
	23	0	0	0.00000	0.00000
	24	0	0	0.00000	0.00000
	25	0	0	0.00000	0.00000
	26	0	0	0.00000	0.00000
	27	0	0	0.00000	0.00000
	28	0	0	0.00000	0.00000
	29	0	0	0.00000	0.00000
	30	0	0	0.00000	0.00000
	31	0	0	0.00000	0.00000
September	1	0	0	0.00000	0.00000
	2	0	0	0.00000	0.00000
	3	0	0	0.00000	0.00000
	4	5	5	0.00948	0.00948
	5	0	6	0.00000	0.00948
	6	0	6	0.00000	0.00948
	7	0	6	0.00000	0.00948
	8	0	6	0.00000	0.00948
	9	0	6	0.00000	0.00948
	10	0	6	0.00000	0.00948
	11	0	6	0.00000	0.00948
	12	0	6	0.00000	0.00948
	13	0	6	0.00000	0.00948
	14	0	6	0.00000	0.00948
	15	0	6	0.00000	0.00948
	16	0	6	0.00000	0.00948
	17	0	6	0.00000	0.00948
	18	0	6	0.00000	0.00948
	19	0	6	0.00000	0.00948
	20	0	6	0.00000	0.00948
	21	0	6	0.00000	0.00948
	22	0	6	0.00000	0.00948
	23	0	6	0.00000	0.00948
	24	0	6	0.00000	0.00948
	25	18	24	0.02844	0.03791
	26	0	24	0.00000	0.03791

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Appendix Table 23. Crystal Creek (Crystal Lake Hatchery) (Stream No. 106-44-031) weir counts of jack coho salmon, 1984¹ (continued).

	Date	Number Daily		Proportions	
		Daily	Cumulative	Daily	Cumulative
September	27	0	24	0.00000	0.03791
	28	0	24	0.00000	0.03791
	29	0	24	0.00000	0.03791
	30	0	24	0.00000	0.03791
October	1	0	24	0.00000	0.03791
	2	153	177	0.24171	0.27962
	3	0	177	0.00000	0.27962
	4	0	177	0.00000	0.27962
	5	0	177	0.00000	0.27962
	6	0	177	0.00000	0.27962
	7	0	177	0.00000	0.27962
	8	0	177	0.00000	0.27962
	9	65	242	0.10259	0.38231
	10	95	337	0.15008	0.53239
	11	0	337	0.00000	0.53239
	12	0	337	0.00000	0.53239
	13	0	337	0.00000	0.53239
	14	0	337	0.00000	0.53239
	15	0	337	0.00000	0.53239
	16	159	496	0.25118	0.78357
	17	0	496	0.00000	0.78357
	18	0	496	0.00000	0.78357
	19	0	496	0.00000	0.78357
	20	0	496	0.00000	0.78357
	21	0	496	0.00000	0.78357
	22	0	496	0.00000	0.78357
	23	0	496	0.00000	0.78357
	24	0	496	0.00000	0.78357
	25	0	496	0.00000	0.78357
	26	0	496	0.00000	0.78357
	27	0	496	0.00000	0.78357
	28	0	496	0.00000	0.78357
	29	0	496	0.00000	0.78357
	30	137	633	0.21643	1.00000

1/ Refer to Appendix Table 10 for counts of non-jacks.

Appendix Table 24. Sashin Creek (Stream No. 109-10-006) weir counts of wild jack coho salmon, 1984^{1/}.

Date	Number Daily		Proportions	
	Daily	Cumulative	Daily	Cumulative
August	25	0	0.00000	0.00000
	26	0	0.00000	0.00000
	27	0	0.00000	0.00000
	28	0	0.00000	0.00000
	29	0	0.00000	0.00000
	30	0	0.00000	0.00000
	31	0	0.00000	0.00000
September	1	0	0.00000	0.00000
	2	0	0.00000	0.00000
	3	0	0.00000	0.00000
	4	0	0.00000	0.00000
	5	0	0.00000	0.00000
	6	0	0.00000	0.00000
	7	0	0.00000	0.00000
	8	0	0.00000	0.00000
	9	0	0.00000	0.00000
	10	0	0.00000	0.00000
	11	0	0.00000	0.00000
	12	0	0.00000	0.00000
	13	0	0.00000	0.00000
	14	0	0.00000	0.00000
	15	0	0.00000	0.00000
	16	0	0.00000	0.00000
	17	0	0.00000	0.00000
	18	0	0.00000	0.00000
	19	0	0.00000	0.00000
	20	0	0.00000	0.00000
	21	0	0.00000	0.00000
	22	0	0.00000	0.00000
	23	0	0.00000	0.00000
	24	0	0.00000	0.00000
	25	0	0.00000	0.00000
	26	0	0.00000	0.00000
	27	0	0.00000	0.00000
	28	3	0.27273	0.27273
	29	1	0.09091	0.36364
	30	1	0.09091	0.45455
October	1	1	0.09091	0.54545
	2	0	0.00000	0.54545
	3	0	0.00000	0.54545
	4	0	0.00000	0.54545
	5	0	0.00000	0.54545
	6	5	0.45455	1.00000
	7	0	0.00000	1.00000

-Continued-

Appendix Table 24. Sashin Creek (Stream No. 109-10-006) weir counts of wild jack coho salmon, 1984^{1/} (continued).

Date	Number Daily		Proportions	
	Daily	Cumulative	Daily	Cumulative
October 8	0	11	0.00000	1.00000
9	0	11	0.00000	1.00000
10	0	11	0.00000	1.00000
11	0	11	0.00000	1.00000
12	0	11	0.00000	1.00000
13	0	11	0.00000	1.00000
14	0	11	0.00000	1.00000
15	0	11	0.00000	1.00000
16	0	11	0.00000	1.00000
17	0	11	0.00000	1.00000
18	0	11	0.00000	1.00000
19	0	11	0.00000	1.00000
20	0	11	0.00000	1.00000
21	0	11	0.00000	1.00000
22	0	11	0.00000	1.00000
23	0	11	0.00000	1.00000
24	0	11	0.00000	1.00000

1/ Refer to Appendix Table 12 for counts of wild non-jacks.

Appendix Table 25. Auke Lake (Stream No. 111-50-042) weir counts of jack coho salmon, 1984^{1/}.

	Date	Number Daily		Proportions	
		Daily	Cumulative	Daily	Cumulative
August	24	1	1	0.00210	0.00210
	25	0	1	0.00000	0.00210
	26	0	1	0.00000	0.00210
	27	0	1	0.00000	0.00210
	28	1	2	0.00210	0.00419
	29	1	3	0.00210	0.00629
	30	0	3	0.00000	0.00629
	31	0	3	0.00000	0.00629
September	1	2	5	0.00419	0.01048
	2	0	5	0.00000	0.01048
	3	0	5	0.00000	0.01048
	4	1	6	0.00210	0.01258
	5	0	6	0.00000	0.01258
	6	0	6	0.00000	0.01258
	7	0	6	0.00000	0.01258
	8	0	6	0.00000	0.01258
	9	0	6	0.00000	0.01258
	10	0	6	0.00000	0.01258
	11	11	17	0.02306	0.03564
	12	3	20	0.00629	0.04193
	13	4	24	0.00839	0.05031
	14	2	26	0.00419	0.05451
	15	10	36	0.02096	0.07547
	16	17	53	0.03564	0.11111
	17	27	80	0.05660	0.16771
	18	52	132	0.10901	0.27673
	19	49	181	0.10273	0.37945
	20	28	209	0.05870	0.43816
	21	12	221	0.02516	0.46331
	22	24	245	0.05031	0.51363
	23	11	256	0.02306	0.53669
	24	13	269	0.02725	0.56394
	25	20	289	0.04193	0.60587
	26	10	299	0.02096	0.62683
	27	5	304	0.01048	0.63732
	28	6	310	0.01258	0.64990
	29	12	322	0.02516	0.67505
	30	25	347	0.05241	0.72746
October	1	46	393	0.09644	0.82390
	2	8	401	0.01677	0.84067
	3	45	446	0.09434	0.93501
	4	8	454	0.01677	0.95178
	5	1	455	0.00210	0.95388
	6	2	457	0.00419	0.95807
	7	0	457	0.00000	0.95807

-Continued-

Appendix Table 25. Auke Lake (Stream No. 111-50-042) weir counts of jack coho salmon, 1984^{1/} (continued).

	Date	Number Daily		Proportions	
		Daily	Cumulative	Daily	Cumulative
October	8	4	461	0.00839	0.96646
	9	0	461	0.00000	0.96646
	10	0	461	0.00000	0.96646
	11	0	461	0.00000	0.96646
	12	6	467	0.01258	0.97904
	13	2	469	0.00419	0.98323
	14	0	469	0.00000	0.98323
	15	0	469	0.00000	0.98323
	16	0	469	0.00000	0.98323
	17	0	469	0.00000	0.98323
	18	0	469	0.00000	0.98323
	19	0	469	0.00000	0.98323
	20	0	469	0.00000	0.98323
	21	0	469	0.00000	0.98323
	22	0	469	0.00000	0.98323
	23	1	470	0.00210	0.98532
	24	2	472	0.00419	0.98952
	25	2	474	0.00419	0.99371
	26	3	477	0.00629	1.00000
	27	0	477	0.00000	1.00000
	28	0	477	0.00000	1.00000
	29	0	477	0.00000	1.00000
	30	0	477	0.00000	1.00000

1/ Refer to Appendix Table 17 for counts of non-jacks.

Appendix Table 26. Salmon Lake (Stream No. 113-41-032) weir counts of jack coho salmon, 1984^{1/}.

	Date	Number Daily		Proportions	
		Daily	Cumulative	Daily	Cumulative
August	13	0	0	0.00000	0.00000
	14	0	0	0.00000	0.00000
	15	0	0	0.00000	0.00000
	16	0	0	0.00000	0.00000
	17	0	0	0.00000	0.00000
	18	0	0	0.00000	0.00000
	19	0	0	0.00000	0.00000
	20	0	0	0.00000	0.00000
	21	0	0	0.00000	0.00000
	22	0	0	0.00000	0.00000
	23	0	0	0.00000	0.00000
	24 2/	0	0	0.00000	0.00000
	25 2/	0	0	0.00000	0.00000
	26 2/	0	0	0.00000	0.00000
	27 2/	0	0	0.00000	0.00000
	28	0	0	0.00000	0.00000
	29	0	0	0.00000	0.00000
	30	0	0	0.00000	0.00000
	31	0	0	0.00000	0.00000
September	1 3/	0	0	0.00000	0.00000
	2	0	0	0.00000	0.00000
	3 3/	0	0	0.00000	0.00000
	4	0	0	0.00000	0.00000
	5	0	0	0.00000	0.00000
	6	0	0	0.00000	0.00000
	7	0	0	0.00000	0.00000
	8	0	0	0.00000	0.00000
	9	0	0	0.00000	0.00000
	10	0	0	0.00000	0.00000
	11	0	0	0.00000	0.00000
	12	0	0	0.00000	0.00000
	13	0	0	0.00000	0.00000
	14	0	0	0.00000	0.00000
	15	0	0	0.00000	0.00000
	16	7	7	0.07955	0.07955
	17	2	9	0.02273	0.10227
	18	0	9	0.00000	0.10227
	19	0	9	0.00000	0.10227
	20	0	9	0.00000	0.10227
	21	2	11	0.02273	0.12500
	22	1	12	0.01136	0.13636
	23	0	12	0.00000	0.13636
	24	0	12	0.00000	0.13636
	25	0	12	0.00000	0.13636
	26	1	13	0.01136	0.14773

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Appendix Table 26. Salmon Lake (Stream No. 113-41-032) weir counts of jack coho salmon, 1984^{1/} (continued).

Date	Number Daily		Proportions	
	Daily	Cumulative	Daily	Cumulative
September	27	1	0.01136	0.15909
	28	0	0.00000	0.15909
	29	2	0.02273	0.18182
	30	0	0.00000	0.18182
October	1	22	0.25000	0.43182
	2	39	0.44318	0.87500
	3	3	0.03409	0.90909
	4	2	0.02273	0.93182
	5	0	0.00000	0.93182
	6	1	0.01136	0.94318
	7	5	0.05682	1.00000
	8 3/	0	0.00000	1.00000
	9	0	0.00000	1.00000
	10	0	0.00000	1.00000
	11 4/	0	0.00000	1.00000

1/ Refer to Appendix Table 18 for counts of non-jacks.

2/ Weir closed due to high water from 2100 hours 8/24/84 to 0530 hours 8/27/84.

3/ Weir closed due to high water.

4/ Pickets pulled at 1430 hours.

Appendix Table 27. Redoubt Lake (Stream No. 113-41-043) weir counts of jack coho salmon, 1984^{1/}.

	Date	Number Daily		Proportions	
		Daily	Cumulative	Daily	Cumulative
July	28	0	0	0.00000	0.00000
	29	0	0	0.00000	0.00000
	30	0	0	0.00000	0.00000
	31	0	0	0.00000	0.00000
August	1	0	0	0.00000	0.00000
	2	0	0	0.00000	0.00000
	3	0	0	0.00000	0.00000
	4	0	0	0.00000	0.00000
	5	0	0	0.00000	0.00000
	6	0	0	0.00000	0.00000
	7	0	0	0.00000	0.00000
	8	0	0	0.00000	0.00000
	9	0	0	0.00000	0.00000
	10	0	0	0.00000	0.00000
	11	4	4	0.01130	0.01130
	12	0	4	0.00000	0.01130
	13	2	6	0.00565	0.01695
September	14	1	7	0.00282	0.01977
	15	0	7	0.00000	0.01977
	16	0	7	0.00000	0.01977
	17	0	7	0.00000	0.01977
	18	3	10	0.00847	0.02825
	19	0	10	0.00000	0.02825
	20	10	20	0.02825	0.05650
	21	15	35	0.04237	0.09887
	22	6	41	0.01695	0.11582
	23	0	41	0.00000	0.11582
	24	6	47	0.01695	0.13277
	25	0	47	0.00000	0.13277
	26	0	47	0.00000	0.13277
	27	18	65	0.05085	0.18362
	28	16	81	0.04520	0.22881
	29	11	92	0.03107	0.25989
	30	7	99	0.01977	0.27966
	31	22	121	0.06215	0.34181
	1	16	137	0.04520	0.38701
	2	23	160	0.06497	0.45198
	3	16	176	0.04520	0.49718
	4	6	182	0.01695	0.51412
	5	5	187	0.01412	0.52825
	6	6	193	0.01695	0.54520
	7	6	199	0.01695	0.56215
	8	12	211	0.03390	0.59605
	9	13	224	0.03672	0.63277
	10	8	232	0.02260	0.65537

-Continued-

Appendix Table 27. Redoubt Lake (Stream No. 113-41-043) weir counts of jack coho salmon, 1984^{1/} (continued).

	Date	Number Daily		Proportions	
		Daily	Cumulative	Daily	Cumulative
September	11	7	239	0.01977	0.67514
	12	9	248	0.02542	0.70056
	13	4	252	0.01130	0.71186
	14	11	263	0.03107	0.74294
	15	5	268	0.01412	0.75706
	16	17	285	0.04802	0.80508
	17	11	296	0.03107	0.83616
	18	6	302	0.01695	0.85311
	19	4	306	0.01130	0.86441
	20	6	312	0.01695	0.88136
	21	2	314	0.00565	0.88701
	22	2	316	0.00565	0.89266
	23	4	320	0.01130	0.90395
	24	13	333	0.03672	0.94068
	25	6	339	0.01695	0.95763
	26	0	339	0.00000	0.95763
	27	5	344	0.01412	0.97175
	28	2	346	0.00565	0.97740
	29	1	347	0.00282	0.98023
	30	3	350	0.00847	0.98870
October	1	4	354	0.01130	1.00000
	2	0	354	0.00000	1.00000
	3	0	354	0.00000	1.00000
	4	0	354	0.00000	1.00000
	5	0	354	0.00000	1.00000
	6	0	354	0.00000	1.00000
	7	0	354	0.00000	1.00000

1/ Refer to Appendix Table 19 for counts of non-jacks.

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